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January 1980-December 1984. Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations

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Number 43

September 1985

The Protection of Wheat: January 1980-December 1984

Citations From Agricola Concerning Diseases and Other Environmental Considerations

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Wheat, as our third most important cash plant is grown on 60 to 80 million acres of land and is valued annually at more than $9 billion. The 1839 literature citations from AGRICOLA included in this bibliography represents the American articles devoted to all aspects of crop protection since January 1980. Included are articles ranging from protection of seed to protection of the stored product from diseases, nematodes, fertilizers, pesticides, other chemicals, and environmental factors.

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The Protection of Wheat: January 1980-December 1984

Citations From Agricola Concerning Diseases and Other Environmental Considerations

Compiled and Edited By
Charles N. Bebee
National Agricultural Library

Bibliographies and Literature of Agriculture Number 43

United States Department of Agriculture
National Agricultural Library
Beltsville, Maryland 20705

and

United States Environmental Protection Agency
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FOREWORD

This is the seventh volume in a series of commodity-oriented environmental bibliographies resulting from a memorandum of understanding between the United States Department of Agriculture, National Agricultural Library (USDA-NAL), and the Environmental Protection Agency, Office of Pesticide Programs (EPA-OPP).

This close working relationship between the two agencies will produce a series of bibliographies which will be useful to EPA in the regulation of pesticides, as well as to any researcher in the field of plant or commodity protection. The broad scope of information contained in this series will benefit USDA, EPA, and the agricultural community as a whole.

The sources referenced in these bibliographies include the majority of the latest available information from United States publications involving commodity protection throughout the growing and processing stages for each agricultural commodity.

We welcome the opportunity to join this cooperative effort between USDA and EPA in support of the national agricultural community.

Joseph H Howard

JOSEPH H. HOWARD, Director
National Agricultural Library

STEVEN SCHATZOW, Director
Office of Pesticide Programs

INTRODUCTION

The citations in this bibliography are selected from works by U.S. authors on all aspects of the protection of wheat. All citations are derived from AGRICOLA (AGRICultural OnLine Access), the family of data bases compiled by the National Agricultural Library and its cooperators.

This is the seventh bibliography included in a series of commodity-oriented environmental data bases jointly sponsored by the National Agricultural Library, United States Department of Agriculture (USDA-NAL), and the Office of Pesticides Programs, Environmental Protection Agency (EPA-OPP). Additional volumes issued recently or planned for the immediate future concern protection of corn, soybeans, pome fruits, stone fruits, grain sorghum, rice, and peanuts.

Entries in the bibliography are subdivided into a series of subject headings used in the table of contents of the Bibliography of Agriculture and in the National Agricultural Library Catalog. Each citation appears under the subject heading assigned to the particular item. A complete author index is also included in the publication.

The Office of Pesticide Programs, EPA, has furnished technical assistance to the compiler through members of a commodity-oriented environmental data team which included:

Charles D. Reese
H. Irving Brigham
Bernard Schneider, PhD.
Richard Petrie

Any comments or questions may be forwarded to the compiler:

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National Agricultural Library

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0002

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Gunjal, K.R. Roberts, R.K.; Heady, E.O. Lexington, Ky., Southern Agricultural Economics Assoc. Extract: Separate fertilizer demand functions are developed for five major crops grown in the United States. Per-acre expenditures on various fertilizer nutrients (N,P,K) and lime are aggregated in terms of real dollars for each crop. A hypothesis that fertilization rates depend on the type of crop leads to the formulation of a separate model for each crop. The results indicate that different crop sectors respond in varying degrees to the same economic factor. More specifically, fertilizer demand is more elastic with respect to fertilizer price for grain (wheat and feed grains) farmers than for oil and cash crop (soybeans, tobacco, and cotton) farmers. The differences in these elasticities stem from the nature of the crop as well as its response to fertilizer application. Our findings suggest that changes in fertilizer prices and government policies will produce effects in varying degrees on different crop sectors. Southern journal of agricultural economics. Dec 1980. v. 12 (2). p. 111-116. 16 ref. (NAL Call No.: HD101.S6).

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0024

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0025

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0026

South Carolina crop statistics, state and county data: 1980 revised, 1981 preliminary.
South Carolina Crop and Livestock Reporting Service. Clemson, The Station. Extract: The agricultural statistics in this publication include revised crop statistics for acreage, yield, production and value of production at the state and county level for 1980 and preliminary estimates for 1981. Also included are data on disposition of crops, number of farms, land in farms, commercial fertilizer, farm labor, vegetable statistics, and quarterly grain stock estimates, both on and off farms. AE - South Carolina Crop and Livestock Reporting Service, Dept. of Agricultural Economics and Rural Sociology, S.C. Agricultural Experiment Station, Clemson University. June 1982. Predominantly tables. June 1982. (421). 38 p. (NAL Call No.: 281.9 C59).

0027

Emergency tillage to control wind erosion: influences on winter wheat yields.
Lyles, L.USWCA. Tatarko, J. Ankeny, IA : Soil Conservation Society of America. Extract: About 2.4 million hectares (6 million acres) are tilled on an emergency basis each year to control wind erosion in the Great Plains. Much of the tillage is done on fall-seeded winter wheat (Triticum aestivum L.). Emergency chiseling of growing winter wheat in Finney County, Kansas, during early March (1977-1981) did not significantly influence grain yields on a silty clay site, regardless of whether a 76- or 152-centimeter (30- or 60-inch) chisel spacing was used, whether 50 or 100 percent of the area was tilled, or whether tillage was parallel or perpendicular to row direction. Similar results were obtained in 3 or 4 years on a sandy loam site. Narrow-point chisels have potential for reducing wind erosion if soil conditions are conducive to producing nonerodible aggregates. Wheat straw/grain ratios, stalk diameters, and volume weights are important factors in determining what wind erosion protection the vegetation is able to provide. Journal of soil and water conservation. Nov-Dec 1982. v. 37 (6). p. 344-347. Includes 11 references. (NAL Call No.: 56.8 J822).

ECONOMICS OF AGRIC. PRODUCTION

0028

An analysis of American agriculture under various policy alternatives for 1980. Chowdhury, A. Heady, E.O. Ames, Iowa, The Center. Extract: The specific objectives of this study are: (1) to indicate the amount and location of land to be withdrawn from wheat, feed grain and cotton production in 1980 under different policy alternatives, (2) to reflect an efficient allocation of production and land use under a minimum cost objective function for alternative adjustment or supply-control programs, (3) to estimate the national derived market prices under each program alternative, (4) to estimate production expenses and income from farming under each program alternatie, and (5) to estimate deficiency payments, government land diversion payments and consumers food costs under each of the alternatives. CARD report - Iowa State University, Center for Agricultural and Rural Development. Oct 1979. Oct 1979. (86). 68 p. 26 ref. (NAL Call No.: 281.9 I093).

0029

Fertilizer demand functions for specific nutrients applied to three major U.S. crops. Roberts, R.K. Heady, E.O. College Station, Tex. : Western Agricultural Economics Association. Extract: Several past studies used time series data to estimate price elasticities of demand for fertilizer or nutrient use on all crops in the United States or by region. In this study, demand functions for nitrogen, phosphorous and potassium applied per acre of corn, wheat and soybeans in the United States were estimated, using a combination of autoregressive least squares and seemingly unrelated regression techniques. The results suggest that the demands for nitrogen, phosphorous and potassium applied to corn are price elastic, while similar responses for wheat and soybeans are price inelastic. Nitrogen and phosphorous applied per acre of corn were found to be positively related to government sponsored acreage diversion. The estimated elasticities could provide policymakers with insight for developing fertilizer and crop policies. Western journal of agricultural economics. Dec 1982. v. 7 (2). p. 265-277. Includes 25 references. (NAL Call No.: HD1750.W4).

FARM ORGANIZATION AND MANAGEMENT

0030

Cost estimates of alternative wheat production systems for Garfield County (Oklahoma). Epplin, F.M. Tice, T.F.; Handke, S.J.; Peeper, T.F.; Krenzer, E.G. Jr. Stillwater, Okla. : The Station. Extract: This report presents estimates of costs and resource requirements for alternative wheat production systems. Bulletin B - Oklahoma Agricultural Experiment Station. Aug 1983. Aug 1983. (B-766). 45 p. Includes 14 references. (NAL Call No.: 100 OK4 (1)).

0031

Cost of alternative tillage systems in the winter wheat-dry pea area of the Palouse. Mohasci, S.G. Hinman, H.R. Pullman, Wash., The Service. Extract: Costs and soil loss were determined for six tillage systems used in the dry pea-winter wheat area of the Palouse. No-till tillage saved the most topsoil, but had the highest crop-cycle costs, due to increased chemical costs. The system with the lowest costs used a cultivator for the initial tillage and saved nearly as much topsoil. Three other systems saved considerable amounts of topsoil when compared with moldboard plow tillage and had intermediate two-year costs. Extension bulletin - Washington State University, Cooperative Extension Service. Aug 1981. Aug 1981. (0943). 38 p. (NAL Call No.: 275.29 W27P).

0032

The costs of on-farm storage for wheat in Oklahoma. Davis, C.D.OCFEA. Oehrtman, R.L. Stillwater : The Station. Oklahoma current farm economics - Oklahoma, Agricultural Experiment Station. Sept 1983. v. 56 (3). p. 14-23. Includes references. (NAL Call No.: 100 OK4 (5)).

0033

An economic engineering study of commercial grain storage in South Carolina (Corn, wheat, soybeans, costs and returns). Shedd, D.T.SCAEA. Miller, S.E. Clemson : The Station. Bulletin - South Carolina Agricultural Experiment Station. July 1983. July 1983. (649). 18 p. Includes references. (NAL Call No.: 100 SO8 (1)).

0034

An economic evaluation of nitrogen fertilizers of Montana winter wheat. Garnick, Bradley. Bozeman Montana State University, Montana Agricultural Experiment Station 1979. 84, (52) p. : ill. -. Bibliography: p. (85). (NAL Call No.: S544.3.M6M6 No.137).

0035

Economic interrelationships in Texas field crop production. Shumway, C.R. College Station, Tex. : The Department. Extract: Technology, supply and demand relationships among six Texas field crops and three variable inputs are investigated using a dual approach. Evidence of nonjoint production is found for wheat but not for other crops. Three commodities, cotton, sorghum and corn, are found to be homothetically separable. No larger groups of outputs or any groups of inputs satisfy the sufficient conditions for consistent aggregation and two-stage choice. Departmental technical report - Texas Agricultural Experiment Station, Texas A & M University, Department of Agricultural Economics. Sept 1983. Sept 1983. (83-1). 36 p. Includes 38 references. (NAL Call No.: HD1775.T4T5).

0036

Economics of conservation tillage systems for winter wheat production in Oklahoma. Epplin, F.M.USWCA. Tice, T.F.; Handke, S.J.; Peeper, T.F.; Krenzer, E.G. Jr. Ankeny, IA : Soil Conservation Society of America. Extract: Alternative conservation tillage systems that rely on herbicides rather than mechanical tillage for weed control in annual winter wheat production in Oklahoma were investigated by an interdisciplinary team. The additional costs of the herbicides required for the experimental systems exceeded the value of the fuel and labor saved. However, most conservation tillage systems required less investment in machinery and some proved competitive with conventional systems on a total cost basis. Combination systems in which half the farm was conventionally tilled did not generate substantial savings in machinery investment. Journal of soil and water conservation. May-June 1983. v. 38 (3). p. 295-297. Includes 4 references. (NAL Call No.: 56.8 J822).

0037

Economics of no-till crop production. Swenson, A.L. Johnson, R.G. Fargo, N.D. : The Station. Extract: When proper management has been utilized, spring seeded small grain yields under no-till are similar to conventional tillage yields. Costs of no-till on continuous cropping are slightly higher than production with conventional tillage practices when reductions are made in the amount of machinery owned. The high herbicide expenditures of complete chemical fallow presently make it economically uncompetitive with mechanical fallow. Substantial cost and labor distribution advantages of raising winter wheat in untilled seedbeds make it an attractive alternative to conventional spring seedings. Seeding directly into stubble provides a more favorable environment for overwinter survival, enabling winter wheat production in areas previously considered too risky. North Dakota farm research - North Dakota, Agricultural

Experiment Station. Jan/Feb 1982. v. 39 (4). p. 14-17. Includes 8 references. (NAL Call No.: 100 N813B).

0038

Economics of summer fallow - wheat systems in North Dakota.
Ali, M.B. Johnson, R.G. Fargo : The Station. Extract: The specific study objectives are: 1. Develop a yield estimation model for wheat on fallow and nonfallow for four farming areas of North Dakota. 2. Develop wheat production budgets on fallow and nonfallow for each farming area. 3. Analyze the effects of wheat and nitrogen fertilizer prices on the economics of wheat on fallow and nonfallow for each farming area. 4. Analyze yield and income variability for wheat on fallow and nonfallow for each farming area. Bulletin - North Dakota Agricultural Experiment Station. Oct 1981. Oct 1981. (511). 36 p. Includes 30 references. (NAL Call No.: 100 N813).

0039

Estimates of operating cost differences between reduced and conventional tillage for continuous wheat production.
Epplin, F. Jobes, R.; Peeper, .; Stiegler, J. Stillwater, Okla., The Department. Extract: The purpose of this paper is to present comparisons of the operating costs of two "experimental" reduced tillage wheat production systems with the costs of a conventional clean tillage system. The conventional system is representative of current practices in north central Oklahoma. The reduced tillage systems have been proposed as technical alternatives to conventional practices. They reflect recent advances in grain drill modifications and weed control systems. A. E. paper - Oklahoma State University, Dept. of Agricultural Economics. Sept 1981. Sept 1981. (AE 8195). 10 p. 6 ref. (NAL Call No.: HD1775.O5O3).

0040

Farm level economics of soil conservation in the Palouse Area of the Northwest.
Burt, O.R. Lexington, Ky., American Agricultural Economics Association. Extract: Control theory is applied to the farm level economics of soil conservation in a model which uses depth of topsoil and percentage of organic matter therein as the two state variables. An approximately optimal decision rule was tested against the optimal rule and found to be excellent; errors in the decision rule were less than one percent within the region in state space of practical consideration. Results suggest that intensive wheat production under modern farming practices and heavy fertilization is the most economic cropping system in both the short and long run in the Palouse Area except under low wheat prices. American journal of agricultural economics. Feb 1981. v. 63 (1). p. 83-92. 11 ref. (NAL Call No.: 280.8 J822).

0041

Fertilizer merchandising in North Dakota.
Anderson, D.E. Erlandson, G.W.; Moench, J.M. Fargo, N.D. : Dept. of Agricultural Economics, North Dakota Agricultural Experiment Station. Extract: Fertilizer utilization in North Dakota increased nearly sixfold during the 1957-1977 period. About 65 percent of the wheat acres received some fertilizer in 1976. There were 109 commercial wholesale fertilizer dealers in the state in 1972. The largest four wholesale firms accounted for 58 percent of the fertilizer sold during 1969-1972. There were 205 retail bulk fertilizer mixing firms in 1972. About 45 percent of these were located in the Red River Valley. The most common terms of trade that accompany fertilizer sales include custom blending, applicator rentals and service, soil testing credit policies, and a variety of discounts. Dealers state that bulk spreading and credit terms are their most important services offered. Agricultural economics report - Department of Agricultural Economics, North Dakota Agricultural Experiment Station. Aug 1978. Aug 1978. (132). 34 p. Includes 17 references. (NAL Call No.: 281.9 N814A).

0042

Near-optimal management strategies for controlling wild oats in spring wheat.
Taylor, C.R. Burt, O.R. Ames, Iowa : American Agricultural Economics Association. Extract: Near-optimal multiperiod decision rules for controlling wild oats in spring wheat in north central Montana are presented in this paper. Decision alternatives are fallow, use of a preemergent or postemergent herbicide, and crop without use of a herbicide. The near-optimal decision rules, which were obtained from a partially decomposed stochastic dynamic programming model, depend on density of wild oats seed in the plow layer, whether the land was previously cropped or fallow, soil moisture level, price of spring wheat, and post-planting density of wild oats. American journal of agricultural economics. Feb 1984. v. 66 (1). p. 50-60. Includes 12 references. (NAL Call No.: 280.8 J822).

0043

Optimum phosphorus fertilization.
Forster, D.L. Columbus : The Department. Extract: Fertilizer application rate decisions are ubiquitous for Corn Belt farmers. Typically, farmers have their soils analyzed by a private or public laboratory, receive a nutrient application recommendation, and base their actual nutrient application rates on these recommendations. However, recommendations lack explicit recognition of product prices or fertilizer prices. The purpose of this paper is to present a methodology for incorporating

prices in recommendations and to examine the impact of prices on the economic optimum application of phosphorus on corn, wheat, and soybeans. ESO - Ohio State University, Dept. of Agricultural Economics and Rural Sociology. July 1983. July 1983. (1049). 12 p. Includes 12 references. (NAL Call No.: HD1411.03).

0044

Summer fallow in North Dakota--an economic view.

Ali, M.B. Johnson, R.G. Fargo, N.D. : The Station. Extract: This report evaluates wheat summer fallow cropping systems within an economic framework from the short-term perspective of the farmer. The analysis is presented for wheat production for four farming areas of North Dakota. About 22 per cent of the total cropland in North Dakota is under summer fallow. Low per acre yields, low crop prices, and high nitrogen prices favor the summer fallow system. The trend of increasing wheat yields on fallow and nonfallow results in summer fallow becoming somewhat less economically desirable each year. Variability of income is less under the fallow cropping system. The price of grain and cost of nitrogen fertilizer, as well as trends in yields on fallowed and nonfallowed land, will influence the future role of summer fallow in North Dakota agriculture. North Dakota farm research - North Dakota, Agricultural Experiment Station. May/June 1981. v. 38 (6). p. 9-14. Includes 7 references. (NAL Call No.: 100 N813B).

DISTRIBUTION AND MARKETING

0045

Dwarf bunt of wheat and its importance in international wheat trade (Tilletia controversa, history, epidemiology, United States, China).
Trione, E.J. St. Paul, American Phytopathological Society. Plant disease. Nov 1982. v. 66 (11). p. 1083-1088. ill., map. 16 ref. (NAL Call No.: 1.9 P69P).

0046

An evaluation of the output control features of wheat price and income support programs in the United States and North Dakota, 1929 - 1965 / by Howard Kenneth Lahlum.
Lahlum, Howard Kenneth, 1936. 1967. Thesis (M.S.)--University of Maryland, 1967. Extension Repository Collection -Typescript (carbon copy) -Vita. ix, 122 leaves : ill. ; 29 cm. Bibliography: leaves 117-122. (NAL Call No.: HD9049.W5U44).

0047

Trade restrictions in international grain and oilseed markets: a comparative country analysis.
Jabara, C.L. Washington, D.C., The Service. Abstract: State trading practices and variable levies, which protect administered price levels set in importing countries, as well as tariffs, taxes, quotas, bilateral agreements, and other policies, tend to restrict the level of competition in international markets. In addition, many exporting countries implement similar types of policies that restrict or subsidize exports. Quantitative estimates of the degree of protection provided by trade and domestic policies of 18 major importing and exporting countries indicate that wheat and rice markets are the more heavily protected, followed by corn and soybeans. The importance of nontariff barriers in wheat, rice, and corn markets indicates difficulty in enhancing competition in these markets. Foreign agricultural economic report - U.S. Department of Agriculture, Economics, Statistics, and Cooperatives Service. Jan 1981. Jan 1981. (162). 41 p. 41 ref. (NAL Call No.: A281.9 AG8F).

GRADING, STANDARDS, LABELLING

0048

Canadian amber durum wheat, 1978 crop (Quality, physical and chemical characteristics).
Winnipeg, Supply and Services Canada. Crop bulletinGrain Research Laborator. 1978. 1978. (139). 4 p. ill. (NAL Call No.: 59.9 C161C).

0049

Canadian red spring wheat, 1978 crop (Milling, baking, protein content, quality).
Winnipeg, Supply and Services Canada. Crop bulletinGrain Research Laboratory. Dec 1978. Dec 1978. (138). 17 p. ill., map. (NAL Call No.: 59.9 C161C).

0050

A collaborative study of sprouted wheat by colorimetric alpha-amylase, falling number and amylograph assays (test for damage in grain).
Mathewson, P.R. Miller, B.S. St. Paul, Minn., American Association of Cereal Chemists. Cereal foods world. Sept 1979. v. 24 (9). p. 453. (NAL Call No.: 59.8 C333).

0051

Effect of chlorine bleaching and baking temperature on methyl phoxim and malathion residues in (soft wheat flour) cakes.
Alnaji, L.K. Kadoum, A.M. St. Paul, Minn., American Association of Cereal Chemists. Cereal chemistry. July/Aug 1979. v. 56 (4). p. 245-248. ill. 9 ref. (NAL Call No.: 59.8 C33).

0052

Effect of graded doses of gamma-irradiation on aflatoxin production by Aspergillus parasiticus in wheat.
Priyadarshini, E. Tulpule, P.G. Oxford, Pergamon Press. Food and cosmetics toxicology. Oct 1979. v. 17 (5). p. 505-507. ill. 18 ref. (NAL Call No.: 391.8 F73).

0053

Effect of sewage sludge applications on phosphorus and metal concentrations in fractions of corn and wheat kernels.
Hinesly, T.D. Sudarski-Hack, V. St. Paul, Minn., American Association of Cereal Chemists. Cereal chemistry. July/Aug 1979. v. 56 (4). p. 283-287. ill. 14 ref. (NAL Call No.: 59.8 C33).

0054

Effect of variety on the chemical composition of wheat and barley straw.
Thomas, V.M. Cleveland, W.L. (s.l.), The Society. Proceedings of the annual meeting.American Society of Animal Science. Western Section. 1979. v. 30. p. 159-161. ill. 14 ref. (NAL Call No.: 389.9 AM31).

0055

Grain standards and discounts for corn, soybeans and wheat (Grading).
Nichols, T.E. Jr. Raleigh, N.C., The Service. AG.North Carolina State University. Agricultural Extension Service. Aug 1979. Aug 1979. (177). 7 p. ill. (NAL Call No.: S544.3.N6N62).

0056

In-transit shipboard fumigation of wheat (by applying aluminum phosphide tablets, insect control, residue analysis).
Redlinger, L.M. Zettler, J.L. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 642-647. ill. 3 ref. (NAL Call No.: 421 J822).

0057

Interaction of wheat bran with nitrosamines and with amines during nitrosation.
Wishnok, J.S. Richardson, D.P. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. July 1979. v. 36 (1). p. 1132-1134. ill. Bibliography p. 1133-1134. (NAL Call No.: 381 J8223).

0058

Microcomputer controlled titration for determination of protein nitrogen in feeds and wheat.
Wu, A.H.B. Rotunno, T. Arlington, Va., The Association. Journal.Association of Official Analytical Chemists. Sept 1979. v. 62 (5). p. 969-975. ill. 19 ref. (NAL Call No.: 381 AS7).

0059

Microflora of wheat and wheat flour from six areas of the United States (Bacterial contamination).
Rogers, R.F. Hesseltine, C.W. St. Paul, American Association of Cereal Chemists. Cereal chemistry. Nov/Dec 1978. v. 55 (6). p. 889-898. ill. 9 ref. (NAL Call No.: 59.8 C33).

0060

Report on reference materials and standard solutions (Wheat and rice flours, pesticide residues).
Alvarez, R. Washington. JournalAssociation of Official Analytical Chemists. Mar 1979. v. 62 (2). p. 340. 1 ref. (NAL Call No.: 381 AS7).

0061

Sprouting in hard red spring wheat (Effects on biochemical constituents and the effect on flour quality).
Ibrahim, Y. D'Appolonia, B.L. Chicago, Siebel. Bakers digest. Oct 1979. v. 53 (5). p. 17-19. ill. 10 ref. (NAL Call No.: 389.8 SI1).

0062

Thin layer chromatographic determination of citrinin (a toxic secondary metabolite first isolated from Pencillium citrinin, natural contaminant of barley, wheat, rye, and oats, and induces kidney lesions).
Stubblefield, R.D. Washington. JournalAssociation of Official Analytical Chemists. Jan 1979. v. 62 (1). p. 201-202. ill. 10 ref. (NAL Call No.: 381 AS7).

0063

Tissue residues of steers grazed on wheat pasture treated with Indar systemic fungicide.
Horn, G.W. Horn, F.P. Champaign, Ill., American Society of Animal Science. Journal of animal science. Aug 1979. v. 49 (2). p. 318-323. ill. 10 ref. (NAL Call No.: 49 J82).

0064

Wheat grading systems of the major wheat exporting countries: Argentina, Australia, Canada, France, and U.S.A.
Bushuk, W. Washington, D.C., The Administration. Agricultural reviews and manuals. ARM-W.United States. Dept. of Agriculture. Science and Education Administration. Western Region. Office of the Regional Administrator for Federal Research. Aug 1978. Aug 1978. (4). p. 4-16. ill. (NAL Call No.: aS21.A75U64).

0065

Wheat plant composition: varietal differences in physical composition, and in chemical composition and in vitro dry matter disappearance of the various parts (Nutritive value of straw).
Llata, A. de la. Swingle, R.S. (s.l.), The Society. Proceedings of the annual meeting.American Society of Animal Science. Western Section. 1979. v. 30. p. 183-187. ill. 12 ref. (NAL Call No.: 389.9 AM31).

PLANT PRODUCTION - GENERAL

0066

Annual progress report - 1980 : Shelby-Grundy Research Center, Beaconsfield, Iowa / Iowa State University of Science and Technology. 1981. This publication provides test information on grain sorghum, winter wheat, birdsfoot trefoil, and alfalfa management. Limestone rates and pasture interseeding systems are covered. Document available from: Iowa State Univ., Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011. 14 p. : ill. (NAL Call No.: Not available at NAL.).(NAL Call No.: ORC 80-02).

0067

Effect of fertilizer nitrogen rates on variation, heritabilities and associations of quantitative characters in wheat (T. aestivum L.) / by Mohammed-Ilyas L. Tunio. Tunio, Mohammed-Ilyas L., 1933. 1970. Thesis (Ph.D)--North Dakota State University, 1970. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. viii, 73 leaves ; 21 cm. Bibliography: leaves 70-73. (NAL Call No.: DISS 72-16,031).

0068

Effect of fluorine and phosphorus applied to a sodic soil on their availability and on yield and chemical composition of wheat. Singh, A. Chhabra, R. Baltimore, Williams & Wilkins Company. Soil science. Aug 1979. v. 128 (2). p. 90-97. ill. 18 ref. (NAL Call No.: 56.8 S03).

0069

Effect of temperature, nitrogen fertilization and moisture stress on growth, assimilate distribution and moisture use by Manitou spring wheat (Cultivars). Campbell, C.A. Davidson, H.R. Ottawa, Agricultural Institute of Canada. Canadian journal of plant science. July 1979. v. 59 (3). p. 603-626. ill. Bibliography p. 625-626. (NAL Call No.: 450 C16).

0070

Effect of temperature, nitrogen fertilization and moisture stress on yield, yield components, protein content and moisture use efficiency of Manitou spring wheat. Campbell, C.A. Davidson, H.R. Ottawa, Agricultural Institute of Canada. Canadian journal of plant science. Oct 1979. v. 59 (4). p. 963-974. ill. 24 ref. (NAL Call No.: 450 C16).

0071

Effects of Cycocel (CCC) and fungicide sprays on spring wheat grown at three nitrogen levels (Yields). Johnston, H.W. MacLeod, J.A. Ottawa, Agricultural Institute of Canada. Canadian journal of plant science. Oct 1979. v. 59 (4). p. 917-929. ill. 26 ref. (NAL Call No.: 450 C16).

0072

Effects of direct drilling and shallow cultivation on the nutrient content of shoots of winter wheat and spring barley on clay soils during an unusually dry season. Cannell, R.Q. Graham, J.P. Oxford, Blackwell Scientific. Journal of the science of food and agriculture. Mar 1979. v. 30 (3). p. 267-274. ill. 18 ref. (NAL Call No.: 382 S012).

0073

Foliar fertilization of wheat, oats, and soybeans (Yields). Welch, L.F. Brown, C.M. Urbana, The Station. Illinois research.Illinois. Agricultural Experiment Station. Summer 1979. v. 21 (3). p. 5-6. ill. (NAL Call No.: 100 IL64).

0074

Foliar nutrition of barley and wheat with various fertilizer products (Yields, protein analysis). Barel, D. Ft. Collins..Progress reportColorado. Experiment Station. Feb 1978. Feb 1978. (5). 2 p. ill. (NAL Call No.: 100 C71C).

0075

Influence of weed growth and tillage interval during fallow on water storage, soil nitrates, and yield (in a winter wheat-sorghum cropping sequence, in the Southern Great Plains states of Kansas, Oklahoma, New Mexico, Colorado and Texas). Lavake, D.E. Wiese, A.F. Madison, Wis. Soil Science Society of America journalSoil Science Society of America. May/June 1979. v. 43 (3). p. 565-569. ill. 19 ref. (NAL Call No.: 56.9 S03).

0076

Nitrogen fertilization of three winter wheat varieties in eastern Colorado (Yields). Goos, R.J. Ludwick, A.E. Ft. Collins. Progress reportColorado. Experiment Station. Mar 1979. Mar 1979. (6). 2 p. ill. (NAL Call No.: 100 C71C).

0077

Reduction in atrazine toxicity to winter wheat by the growth retardant CCC / by Kenneth Kirkland.
Kirkland, Kenneth. Ann Arbor, Mich. University Microfilms 1973. Thesis--Oregon State University, 1973. Facsimile produced by microfilm-xerography. 166 leaves. Bibliography: leaves 119-129. (NAL Call No.: DISS 73-7,837).

0078

Salt-tolerant crops solution to a complex problem (Barley, wheat, tomatoes, California, irrigation with seawater).
Rush, D.W. Kelley, D.B.; Richards, R.; Norlyn, J.D.; Kingsbury, R.W.; Cunningham, G.A. Madison, Wis., American Society of Agronomy. Crops and soils magazine. Oct 1981. v. 34 (1). p. 12-16. ill. (NAL Call No.: 6 W55).

0079

Soybean-wheat cropping systems : evaluation of planting methods, varieties, row spacings, and weed control / Charles R. Graves ... (et al.).
Graves, Charles R. Knoxville University of Tennessee, Agricultural Experiment Station 1980. Cover title. 42 p. : ill. ; 23 cm. -. (NAL Call No.: 100 T25S (1) (no.) 597).

0080

Soybeans: variety, fertilizer, growth regulator, antitranspirant, and planting-after-wheat studies on the High Plains of eastern New Mexico (Yields).
Fuehring, H.D. Finkner, R.E. Las Cruces. Research reportNew Mexico. Agricultural Experiment Station. June 1978. June 1978. (372). 12 p. ill. 8 ref. (NAL Call No.: 100 N465R).

0081

Varieties (Wheat, yields, disease and insect resistance).
Wilkins, H. Manhattan, Kan., The Service. C.Kansas State University. Cooperative Extension Service. July 1978. July 1978. (529). p. 3-6. ill. (NAL Call No.: 275.29 K13EX).

0082

Wheat production handbook (Includes culture, diseases and pests, harvesting, storage, cost and return planning, fertilizing).
Manhattan, Kan., The Service. C.Kansas State University. Cooperative Extension Service. July 1978. July 1978. (529). 29 p. ill. 1 ref. (NAL Call No.: 275.29 K13EX).

0083

Wheat systems in practice (Varieties, yields, disease control).
Stevens, D. London. Big farm management. Mar 1979. Mar 1979. p. 35-36, 39. ill. (NAL Call No.: S560.B54).

0084

0 (zero)-till soybean culture (in cornstalks and in wheat stubble, varieties, herbicides).
McKibben, G.E. Urbana-Champaign, Ill., Illinois Agricultural Experiment Station. DSAC.Dixon Springs Agricultural Center. Jan 1979. Jan 1979. (7). p. 61-70. ill. 1 ref. (NAL Call No.: S1.D5).

PLANT PRODUCTION - FIELD CROPS

0085

Ammonium uptake by wheat varieties differing in Al (aluminium) tolerance (Triticum aestivum, toxicity).
Fleming, A.L.AGJOA. Madison : American Society of Agronomy. Agronomy journal. Sept/Oct 1983. v. 75 (5). p. 726-730. ill. Includes references. (NAL Call No.: 4 AM34P).

0086

Annual progress report - 1980 : Shelby-Grundy Research Center, Beaconsfield, Iowa / Iowa State University of Science and Technology.
1981. This publication provides test information on grain sorghum, winter wheat, birdsfoot trefoil, and alfalfa management. Limestone rates and pasture interseeding systems are covered. Document available from: Iowa State Univ., Publications Distribution, Printing & Publications Bldg., Ames, Iowa 50011. 14 p. : ill. (NAL Call No.: Not available at NAL.).(NAL Call No.: ORC 80-02).

0087

Application of liquid anaerobically digested sewage sludge to dryland wheat.
Barbarick, K.A. Utschig, J.M.; Westfall, R.H.; Follette, R.H.; McBride, T. Ft. Collins, Colo., : The Station. Progress report - Colorado Experiment Station. May 1984. (10). 2 p.

0088

Atrazine carryover and its soil factor relationship to no-tillage and minimum tillage fallow-winter wheat cropping in the Central Great Plains (Herbicides, stand reduction, clay soils).
Smika, D.E. Sharman, E.D. Fort Collins, Colo., The Station. Technical bulletin - Colorado State University Experiment Station. May 1982. May 1982. (144). 4 p. ill. (NAL Call No.: 100 C71S (3)).

0089

Broadcast fertilizer study--spring wheat (Calcareous soils, Minnesota).
Varvel, G.E. Meredith, H. St. Paul : The Station. Miscellaneous publication - University of Minnesota, Agricultural Experiment Station. 1982. 1982. (2). p. 46-47. (NAL Call No.: S1.M52).

0090

A comparison of chemical and mechanical fallow as methods for dryland wheat production / by Orville L. Nicholls.
Nicholls, Orville L. 1958. Thesis (M.S.)--University of Wyoming, 1958. Extension Repository Collection -Typescript (carbon copy). vi, 46 leaves : ill. ; 29 cm. Bibliography: leaves (45)-46. (NAL Call No.: SB191.W5N49).

0091

Comparison of three phosphorus soil test procedures to wheat and soybean yields.
Jokela, W.E. Fenster, W.E.; O'Leary, M.; Buzicky, G.; Overdahl, C.J. St. Paul : The Station. Miscellaneous publication - University of Minnesota, Agricultural Experiment Station. 1982. 1982. (2). p. 160-161. (NAL Call No.: S1.M52).

0092

Comparison of three phosphorus soil test procedures to wheat, corn and soybean yields (Minnesota).
Fenster, W.E.MXMRA. Grava, J.; Evans, S.D.; Varvel, G.E.; O'Leary, M. St. Paul : The Station. Miscellaneous publication - University of Minnesota, Agricultural Experiment Station. 1983. 1983. (2 rev.). p. 165-170. (NAL Call No.: S1.M52).

0093

Contribution of farm yard manure on the build up of available zinc in an Aridisol (Micronutrients, soil testing, wheat yields).
Srivastava, O.P. Sethi, B.C. New York, Marcel Dekker. Communications in soil science and plant analysis. 1981. v. 12 (4). p. 355-361. 9 ref. (NAL Call No.: S590.C63).

0094

Controlling cheatgrass; a problem in winter wheat.
Fay, P. Rardon, P. Bozeman, The Station. Capsule information series - Montana Agricultural Experiment Station. June 1980. June 1980. (21). 2 p. ill. (NAL Call No.: S83.M6).

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Weed control in a winter wheat-corn-ecofarming rotation (Reduced tillage, row spacing, seeding rates, Triticum aestivum, Zea mays, Nebraska).
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Windbreak effects on soil water and wheat yield (Beneficial for wind erosion control, Tamarisk, Tamarix, Siberian elm, Ulmus pumila, Russian-olive, Elaeagnus angustifolia, honeysuckle, Lonicera, Siberian peashrub, Caragana aborescens, Kansas).
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With no-till, he drops fertilizer below the seeds (Modified drill operator, wheat production equipment, Oregon).
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PLANT BREEDING

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0401

Computer program for calculating DRIS (Diagnosis and Recommendation Integrated System) indices (Nutrient insufficiencies, maize, soybeans, sorghum, potatoes, wheat, rubber, sugarcane, sunflower, alfalfa).
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0405

Efect of selenium and cadmium additions to soil on their concentrations in lettuce and wheat.
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0407

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Cox, Walter Jacob, 1943. 1971. Thesis (Ph.D.)--University of California, Davis, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. xiii, 92 leaves ; 21 cm. Bibliography: leaves 89-92. (NAL Call No.: DISS 72-17,900).

0410

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Anaya, Manuel (Manuel G.), 1939. 1972. Thesis (Ph.D.)--University of California, Riverside, 1972. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. xiii, 105 leaves ; 21 cm. Bibliography: p. 84-89. (NAL Call No.: DISS 72-22,046).

0411

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0412

Evaluation of methane generator sludge as a soil amendment (Sludge obtained from Festuca arundinacea, maize, sorghum, soybeans, wheat, carbon dioxide evolution, Missouri).
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0413

Exudation of glyphosate from wheat (Triticum aestivum) plants and its effects on interplanted cron (Zea mays) and soybeans (Glycine max) (Growth regulator, herbicide uptake, no-tillage).
Rodrigues, J.J.V. Worsham, A.D.; Corbin, F.T. Champaign, Ill., Weed Science Society of America. Weed science. May 1982. v. 30 (3). p. 316-320. Includes 22 ref. (NAL Call No.: 79.8 W41).

0414

Frost desiccation: an osmotic model (Wheat, cabbage, economic plants, hardiness, freeze injuries).
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0415

Gas chromatographic quantitative analysis and persistence of dimethoate and dimethoxon residues on and in wheat plants (Organophosphorous insecticide).
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0416

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0417

Genetic studies of rate of emergence and percent emergence under controlled temperature and moisture levels in crosses of winter wheat (Triticum aestivum L.) / by Carlos Llosa Baluarte.
Llosa Baluarte, Carlos, 1929. 1970. Thesis (Ph.D.)--Purdue University, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. xiii, 126 leaves ; 21 cm. Includes bibliographies. (NAL Call No.: DISS 71-9,430).

0418

Grain protein content as an indicator of N (nitrogen) sufficiency for winter wheat.
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0419

Growth regulator of wheats, Triticum aestivum L., noninfested and infested with races of Hessian fly, Mayetiola destructor (Say) / by Eileen Jane Settle Rathke.
Rathke, Eileen Jane Settle, 1940. 1971. Thesis (Ph.D.)--Purdue University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. xvii, 132 leaves ; 21 cm. Bibliography: leaves 67-75. (NAL Call No.: DISS 71-20,532).

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Single, W.V. Marcellos, H. Boca Raton, Fla., CRC Press. Analysis and improvement of plant cold hardiness. 1981. 1981. p. 17-33. 74 ref. (NAL Call No.: SB781.A52).

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0426

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0427

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0428

Metabolism of diclofop-methyl in root-treated wheat and oat seedlings (Herbicidal selectivity).
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0429

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0431

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0433

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0434

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0435

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0436

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0437

Rye (Secale cereale L.) and wheat (Triticum aestivum L.) mulch: the suppression of certain broadleaved weeds and the isolation and identification of phytotoxins.
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0438

Small grain crop forage potential. I. Biological and chemical determinants of quality, and yield (Wheat, oats, triticale, barley).
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0439

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0441

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0444

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0445

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0447

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0448

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0449

Degradation of malathion on wheat and corn of various moisture contents (Toxicity, stored-grain insect pests).
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0450

Disease control (Wheat, includes seed treatment).
Willis, W. Manhattan, Kan., The Service. C.Kansas State University. Cooperative Extension Service. July 1978. July 1978. (529). p. 17-19. ill. (NAL Call No.: 275.29 K13EX).

0451

Drift of glyphosate sprays applied with aerial and ground equipment (Wheat, herbicide injuries).
Yates, W.E. Akesson, N.B. Champaign, Ill., Weed Science Society of America. Weed science. Nov 1978. v. 26 (6). p. 597-604. ill. 12 ref. (NAL Call No.: 79.8 W41).

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0453

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Hampton, J.G. Wellington, Department of Scientific and Industrial Research. New Zealand journal of experimental agriculture. June 1979. v. 7 (2). p. 207-214. ill. 6 ref. (NAL Call No.: S542.A1N45).

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Effects of liming an acid soils amended with sewage sludge enriched with Cd, Cu, Ni, and Zn (cadmium, copper, nickel, zinc) on yield and Cd content of wheat grain (Phytotoxicity).
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0459

Integrated crop management for dryland small grain production in Montana (Wheat, barley, limited plant-available water, insect, disease, weed and herbicide injuries, yields).
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0460

The interaction of protectants with EPTC on field bean, and tri-allate on wheat (Herbicide injury).
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0461

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0462

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Kuhn, L.W. Corvallis, Or., The Service. Extension circular.Oregon State University. Extension Service. Oct 1979. Oct 1979. (987). 4 p. ill. (NAL Call No.: 275.29 OR32C).

0463

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0464

Registration of Wheeler wheat (New cultivars, breeding for disease and insect resistance).
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0465

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0466

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0467

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0469

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0470

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Dolbeer, R.A. Stickley, A.R. Jr. Amsterdam, Elsevier Scientific Publishing Company. Protection ecology. Sept 1979. v. 1 (3). p. 159-169. ill., map. 14 ref. (NAL Call No.: S589.7.P7).

0471

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0473

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0474

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0475

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0476

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0477

Development and utilization of a synthetic diet for the greenbug, Schizaphis graminum (Rond.), for use in determining the factor or factors responsible for resistance in barley and wheat / by Donald C. Cress.
Cress, Donald Chauncey, 1941. Ann Arbor, Mich. University Microfilms 1971. Thesis--Oklahoma State University, 1969. Facsimile produced by microfilm-xerography. xi, 146 leaves. Bibliography: leaves 132-137. (NAL Call No.: DISS 70-21,365).

0478

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0479

The development of headblight of wheat caused by Gibberella zaea (Schw.) Petch and Helminthosporium sativum P. K. and B. / by Axel Langrad Andersen.
Andersen, Axel Langrad, 1941. (East Lansing, Mich.) Michigan State College of Agriculture and Applied Science 1947. Thesis--Michigan State College of Agriculture and Applied Science. 3, 106 leaves, (5) leaves of plates : ill. Bibliography: leaves 100-106. (NAL Call No.: SB608.W5A5).

0480

Factors affecting yield of winter wheat grazed by geese.
WLSBA. Kahl, R.B. Samson, F.B. Bethesda, Md. : The Society. Wildlife Society bulletin. Fall 1984. v. 12 (3). p. 256-262. Includes references.

0481

Wheat pests, diseases and armyworms.
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0482

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Jones, M.G. Oxford, Blackwell Scientific Publications. Ecological entomology. Feb 1979. v. 4 (1). p. 31-43. ill. 37 ref. (NAL Call No.: QL461.E4).

0483

Acceptance of wheat bran bait (containing insecticide, Nosema locustae) by species of rangeland grasshoppers.
Onsager, J.A. Henry, J.E.; Foster, R.N.; Staten, R.T. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 1980. v. 73 (4). p. 548-551. 8 ref. (NAL Call No.: 421 J822).

0484

Adult seedcorn maggots in soybeans relay intercropped into winter wheat (Delia platura, Glycine max, Triticum aestivum).
Hammond, R.B.EVETB. Jeffers, D.L. College Park : Entomological Society of America. Environmental entomology. Oct 1983. v. 12 (5). p. 1487-1489. Includes references. (NAL Call No.: QL461.E532).

0485

The anatomy, histology, and cytology of the greenbug, Schizaphis graminum (Rondani), in relation to factors responsible for resistance in barley and wheat / by Prakash Narain Saxena.
Saxena, Prakash Narain. 1969. Thesis (Ph.D.)--Oklahoma State University, 1969. Also issued as photocopy of typescript (DISS 70-21,475)~Vita. xii, 147, (20) leaves of plates ; 28 cm. Bibliography: leaves 99-106. (NAL Call No.: SB945.G7S3).

0486

Bracon Lissogaster Mues, a parasite of the wheat stem sawfly by H.W. Somsen and Philip Luginbill, Jr.
Somsen, H. W. (Harry W.). Washington, D.C. U.S. Dept. of Agriculture 1956. 7 p. : ill. -. Bibliography: p. 7. (NAL Call No.: Fiche S-69 no.1153).

0487

Breeding and genetics of Hessian fly resistant Hard Red Spring wheats / principal investigator: Fred Cholick; ADODR: J.H. Hatchett.
Cholick, Fred. (Brookings, S.D.? Dept. of Plant Science, S.D. State University, Agricultural Experiment Station? 1983?). Cover title -"Final report. -At head of title: Research Agreement: Specific Cooperative Agreement-"CRIS no. 3090-20241-002A.". (3) leaves ; 28 cm. (NAL Call No.: SB189.5.C5).

0488

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Gardenhire, J.H. TX. College Station, Tex., The Station. MP - Texas Agricultural Experiment Station. July 1980. July 1980. (1451). p. 237-244. 40 ref. (NAL Call No.: 100 T31M).

0489

Breeding for insect resistance (host plants, alfalfa, wheat, maize, cotton).
Jenkins, J.N. Ames : Iowa State University Press, 1981. Plant Breeding II : (proceedings) / edited by Kenneth J. Frey. p. 291-308. 2 p. ref. (NAL Call No.: SB123.P6 1979).

0490

Breeding for resistance to insects in wheat.
Gallun, R.L. TX-AR-NC. College Station, Tex., The Station. MP - Texas Agricultural Experiment Station. July 1980. July 1980. (1451). p. 245-262. ill. Bibliography p. 260-262. (NAL Call No.: 100 T31M)

0491

Cereal leaf beetle (Oulema melanopus): interaction with and ovipositional adaptation to a resistant wheat.
Wellso, S.G. College Park, Md., Entomological Society of America. Environmental entomology. June 1979. v. 8 (3). p. 454-457. ill. 9 ref. (NAL Call No.: QL461.E532).

0492

Cereal leaf beetle (Oulema melanopus (L.)) population densities and winter wheat yields (Michigan).
Webster, J.A. Smith, D.H. Jr. Guildford, Eng. : Butterworths. Crop protection. Dec 1983. v. 2 (4). p. 431-436. ill. Includes references. (NAL Call No.: SB599.C8).

0493

Chinch bug (Heteroptera: Lygaeidae) control with insecticides on wheat, field corn, and grain sorghum, 1981 (Blissus leucopterus leucopterus, Chlorpyrifos, carbofuran, carbaryl).
Peters, L.L. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1983. v. 76 (1). p. 178-181.

Includes references. (NAL Call No.: 421 J822).

0494

Chromosomal location of genes for resistance to greenbug in 'Largo' and 'Amigo' wheats (Triticum tauschii, Schizaphis graminum, Triticum aestivum, inheritance).
Hollenhorst, M.M.CRPSA. Joppa, L.R. Madison : Crop Science Society of America. Crop science. Jan/Feb 1983. v. 23 (1). p. 91-93. Includes references. (NAL Call No.: 64.8 C883).

0495

Chromosome location of the H5 gene for resistance to the Hessian fly in wheat (Mayetiola destructor).
Roberts, J.J. Gallun, R.L. Washington, D.C. : American Genetic Association. The Journal of heredity. Mar/Apr 1984. v. 75 (2). p. 147-148. Includes references. (NAL Call No.: 442.8 AM3).

0496

Compatibility of insecticide-fungicide wheat seed treatments with respect to germination, seedling emergence, and greenbug (Schizaphis graminum) control.
Pike, K.S. Glazer, M. College Park, Md., Entomological Society of America. Journal of economic entomology. Dec 1980. v. 73 (6). p. 759-761. 21 ref. (NAL Call No.: 421 J822).

0497

Concentrations of 80:20 grain fumigant (CC14-CS2) in (grain elevator)-handling equipment during transfers of fumigated wheat.
Storey, C.L. Martin, C.R.; Sukkestad, D.R. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1981. v. 74 (2). p. 188-190. ill. 6 ref. (NAL Call No.: 421 J822).

0498

Contro of wheat streak mosaic virus with vector resistance in wheat (Wheat curl, Eriophyes tulipae, wheat curl mite as insect vector, Kansas).
Martin, T.J. Harvey, T.L.; Bender, C.G.; Seifers, D.L. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Aug 1984. v. 74 (8). p. 963-964. Includes 14 references. (NAL Call No.: 464.8 P56).

0499

Controlling wheat curl mite (Eriophyes tulipae) and wheat streak mosaic virus with systemic insecticide.
Harvey, T.L. Martin, T.J. College Park, Md., Entomological Society of America. Journal of economic entomology. Dec 1979. v. 72 (6). p. 854-855. ill. 11 ref. (NAL Call No.: 421 J822).

0500

Counter attack on Hessians (fly resistant wheat variety).
Leslie, J. SD. Brookings, S.D., The Station. South Dakota farm and home research - Agricultural Experiment Station, South Dakota State University.South Dakota. Agricultural Experiment Station. 1980. v. 31 (2). p. 12-13. ill. (NAL Call No.: 100 S082S).

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Fisher, G.C. Weinzierl, R. Corvallis : The Service. FS, fact sheet - Oregon State University Extension Service. Aug 1983. Aug 1983. (298). 2 p. ill. (NAL Call No.: 275.29 OR36).

0583

The wheat stem maggots of the genus Meromyza in the Pacific Northwest by L.P. Rockwood, Sarah K. Zimmerman, and T.R. Chamberlin.
Rockwood, L. P. Washington, D.C. U.S. Dept. of Agriculture 1947. 18 p. : ill. -. Bibliography: p. 17-18. (NAL Call No.: Fiche S-69 no.928).

0584

Wheat varieties resistant to the Hessian fly and their reactions to stem and leaf rusts by W.B. Cartwright and R.G. Shands.
Cartwright, W. B. Washington, D.C. U.S. Dept. of Agriculture 1944. 6 p. -. (NAL Call No.: Fiche S-69 no.877).

0585

Wild goatgrass gives greenbug resistance to wheat (Schizaphis graminum).
Martin, W. Washington, D.C., The Service. Agricultural research - United States Agricultural Research Serivce. Oct 1981. v. 30 (4). p. 13. ill. (NAL Call No.: 1.98 AG84).

0586

Winter and spring distribution and density of banks grass mite (Acari: Tetranychidae) in adjacent wheat and corn (Oligonychus pratensis, Nebraska, Kansas).
Holtzer, T.O. Perring, T.M.; Johnson, M.W. Lawrence, Kan. : The Society. Journal of the Kansas Entomological Society. Apr 1984. v. 57 (2). p. 333-335. Includes references. (NAL Call No.: 420 K13).

0587

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Daniels, N.E. TX. Chedester, L.D. College Station, Tex., The Station. MP - Texas, Agricultural Experiment Station. Mar 1980. Mar 1980. (1447). 4 p. ill. 16 ref. (NAL Call No.: 100 T31M).

0588

Wireworms: control, sampling methodology, and effect on wheat yield in Montana.
Morrill, W.L. Athens : The Society. Journal of the Georgia Entomological Society. Jan 1984. v. 19 (1). p. 67-71. Includes references. (NAL Call No.: QL461.G4).

0589

Within-field distribution of greenbug (Homoptera: Aphididae) and its parasitoids in Texas winter wheat (Schizaphis graminum, Rhopalosiphum padi, Macrosiphum avenae, Rhopalosiphum maidis).
Kring, T.J. Gilstrap, F.E. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1983. v. 76 (1). p. 57-62. Includes references. (NAL Call No.: 421 J822).

0590

1980 Kansas field crop insect control recommendations.
Brooks, Leroy. Gates, Dell E. 1980. First this publication discusses some safety tips for using insecticides, then it discusses the control of insects attacking alfalfa, corn, sorghum, wheat, and soybeans. It also includes a list of the Poison Control Information Centers in Kansas. Document available from: Distribution Center, Umberger Hall, Kansas State University, Manhattan, KS 66506. 27 p. (NAL Call No.: C 431).

0591

1981 Kansas field crops insect control recommendations.
Brooks, Leroy. Gates, Dell E. 1981. First this publication discusses some safety tips for using insecticides, then it discusses the control of insects attacking alfalfa, corn, sorghum, wheat, and soybeans. It also includes a list of the Poison Control Information Centers in Kansas. Document available from: Distribution Center, Umberger Hall, Kansas State University, Manhattan, KS 66506. 28 p. (NAL Call No.: C 431).

PESTS OF PLANTS - NEMATODES

0592

Control of cereal cyst nematode in wheat, 1980 (Wheat (Triticum aestivum 'Condor'), cereal cyst nematode; Heterodera avenae).
Brown, R.H. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 203. (NAL Call No.: 464.9 AM31R).

0593

The development and influence of Meloidogyne incognita and Meloidogyne javanica on wheat.
Roberts, P.A. Van Gundy, S.D. Ames, Iowa, Society of Nematologists. Journal of nematology. July 1981. v. 13 (3). p. 345-352. 22 ref. (NAL Call No.: QL391.N4J62).

0594

The eelworm disease of wheat and its control Luther P. Byars . -.
Byars, Luther P. Washington, D.C. :_ U.S. Dept. of Agriculture,_ 1920. 11 p. : ill. -.

0595

Effects of soil temperature and planting date of wheat on Meloidogyne incognita reproduction, soil populations, and grain yield.
Roberts, P.A. Van Gundy, S.D.; McKinney, H.E. Ames, Iowa, Society of Nematologists. Journal of nematology. July 1981. v. 13 (3). p. 338-345. ill. 19 ref. (NAL Call No.: QL391.N4J62).

0596

Evaluation of some pesticides in the control of cereal cyst nematode in wheat, 1981 (Heterodera avenae, Triticum aestivum, Victoria).
Brown, R.H.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 20-21. (NAL Call No.: 464.9 AM31R).

0597

Field control of cereal cyst nematode in wheat, 1978 (Wheat (Triticum aestivum 'Timgalen', 'Condor', 'Kite', 'Oxley'), cereal cyst nematode; Heterodera avenae).
Brown, L. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 188-189. (NAL Call No.: 464.9 AM31R).

0598

Influence of time on population development and pathogenicity of Tylenchorhynchus agri on Trifolium pratense, Poa pratensis and Triticum aestivum.
Coates-Beckford, P.L. Malek, R.B. Gainesville, Fla., Organization of Tropical American Nematologists. Nematropica. June 1982. v. 12 (1). p. 7-14. 5 ref. (NAL Call No.: SB998.N4N4).

0599

Liquid EDB or EDB in fertilizer for large area control of cereal cyst nematode, 1978 (Wheat (Triticum aestivum 'Condor'), cereal cyst nematode; Heterodera avenae).
Dube, A.J. Fisher, J.M.; Hancock, T.W.; Gurner, P. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 234. (NAL Call No.: 464.9 AM31R).

0600

Measurement of the vertical migration of Anguina tritici (wheat gall nematode) (Steinbuch 1799) Chitwood, 1935 in soil under experimental conditions.
Limber, D.P. AR-NE. Ames, Iowa, Society of Nematologists. Journal of nematology. Oct 1980. v. 12 (4). p. 328-330. ill. 3 ref. (NAL Call No.: QL391.N4J62).

0601

Nematode advirosy programs--status and prospects (Wheat, soybeans, economic crops, United States).
Barker, K.R. Imbriani, J.L. St. Paul, Minn. : American Phytopathological Society. Plant disease. Aug 1984. v. 68 (8). p. 735-741. ill. Includes 18 references. (NAL Call No.: 1.9 P69P).

0602

Pale western cutworms in wheat.
Hagen, Arthur F. Document available from: University of Nebraska-Lincoln, Dept. of Agricultural Communications, Lincoln, Nebraska 68583 1974. Discusses life cycle, description and chemical control methods for pale western cutworm. 1 sheet : ill. (NAL Call No.: Document available from source.).(NAL Call No.: G 74-130).

0603

Pathogenicity of Merlinius brevidens as related to host development (Triticum aestivum, nematodes).
Mayol, P.S. St. Paul, Minn., American Phytopathological Society. Plant disease. Mar 1981. v. 65 (3). p. 248-250. ill. 11 ref. (NAL Call No.: 1.9 P69P).

0604

Pathogenicity of the Columbia root-knot nematode (Meloidogyne chitwoodi) on wheat, corn, oat, and barley (Pacific Northwest).
Santo, G.S. O'Bannon, J.H. Ames, Iowa, Society of Nematologists. Journal of nematology. Oct 1981. v. 13 (4). p. 548-550. 2 ref. (NAL Call No.: QL391.N4J62).

0605

A plant assay of soil to assess potential damage to wheat by Heterodera avenae.
Simon, A. St. Paul, Minn., American Phytopathological Society. Plant disease. Oct 1980. v. 64 (10). p. 917-919. ill. 15 ref. (NAL Call No.: 1.9 P69P).

0606

Response of different lines to the control of cereal cyst nematode by EDB, 1979 (Wheat (Triticum aestivum), cereal cyst nematode; Heterodera avenae).
Dube, A.J. Fisher, J.M.; Rathjen, A.J.; Hancock, T.W. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 189. (NAL Call No.: 464.9 AM31R).

0607

Those overworked and oft-misused mean separation procedures--Duncan's, LSD (least significant difference), etc. (Fungal disease control, wheat, phytonematodes, fungicides, nematicides).
Swallow, W.H. St. Paul, Minn. : American Phytopathological Society. Plant disease. Oct 1984. v. 68 (10). p. 919-921. Includes 5 references. (NAL Call No.: 1.9 P69P).

PLANT DISEASES - GENERAL

0608

Biochemical and histological studies on the nature of leaf rust resistance in wheat / by John Edward Watkins.
Watkins, John Edward. Ann Arbor, Mich. University Microfilms 1976. Thesis--North Dakota State University, 1975. Facsimile produced by microfilm-xerography. x, 106 leaves. Bibliography: leaves 91-97. (NAL Call No.: DISS 76-9,859).

0609

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Johnson, D.A. TX. Gilmore, E.C. College Station, Tex., The Station. MP - Texas Agricultural Experiment Station. July 1980. July 1980. (1451). p. 263-275. Bibliography p. 273-275. (NAL Call No.: 100 T31M).

0610

A compilation of plant diseases and disorders in Indiana - 1981 (Trees, ornamentals, turfgrass, vegetables, wheat, corn, soybean, alfalfa).
Evans-Ruhl, G.PIACA. Latin, R.X.; Pecknold, P.C.; Scott, D.H. Indianapolis : The Academy. Proceedings of the Indiana Academy of Science. 1981. v. 91. p. 120-139. Includes references. (NAL Call No.: 500 IN2).

0611

Development of an integrated pest management program for wheat in the semiarid regions of the western United States.
McIntyre, G.A. (Beltsville, Md. : USDA, Agricultural Research Service, Northeastern Region, 1982). National Wheat Research Conference, Beltsville, Md., Oct. 26-28, 1982 / presented by Natl. Assoc. Wheat Growers Foundation in co-op. Agric. Res. Serv., USDA and Natl. Wheat Improvement Committee. p. 183-196. Includes references. (NAL Call No.: aSB191.W5N38 1982).

0612

How to spot and control: Common wheat diseases in Montana (Mostly fungal diseases).
Dubbs, A. MT. Mathre, D. Bozeman, The Station. Capsule information series.Capsule Inf Ser Mont Agric Exp Stn. May 1979. May 1979. (19). 5 p. ill. 6 ref. (NAL Call No.: S83.M6).

0613

Influence of aluminum toxicity in intergeneric crosses of wheat and rye / by Alfonso Lopez-Benitez.
Lopez-Benitez, Alfonso. Ann Arbor, Mich. University Microfilms International 1978. Thesis--Oregon State University, 1977. Facsimile produced by microfilm-xerography. 107 leaves. Bibliography: leaves 89-95. (NAL Call No.: DISS 77-20,153).

0614

The influence of antibiotic production of soil pH on survival of Cephalosporium gramineum in infested wheat straw / by Allan Dale Hopp.
Hopp, Allan Dale. Ann Arbor, Mich. University Microfilms 1973. Thesis--Washington State University, 1972. Facsimile produced by microfilm-xerography. vii, 28 leaves. Bibliography: leaves 26-28. (NAL Call No.: DISS 73-54).

0615

Registration of Anza wheat (New cultivars, resistance to Puccinia striiformis and barley yellow dwarf virus).
Qualset, C.O. Vogt, H.E.; Borlaug, N.E. Madison, Wis. : Crop Science Society of America. Crop science. July/Aug 1984. v. 24 (4). p. 827-828. Includes references. (NAL Call No.: 64.8 C883).

0616

Response of winter wheat to inhibiting nitrification of fall-applied nitrogen.
Huber, D.M. Warren, H.L.; Nelson, D.W.; Tsai, C.Y.; Shaner, G.E. Madison, Wis., American Society of Agronomy. Agronomy journal. July/Aug 1980. v. 72 (4). p. 632-637. 27 ref. (NAL Call No.: 4 AM34P).

0617

Root and crown diseases: major cost factors and yield constraints for wheat (United States).
Cook, R.J. (Beltsville, Md. : USDA, Agricultural Research Service, Northeastern Region, 1982). National Wheat Research Conference, Beltsville, Md., Oct. 26-28, 1982 / presented by Natl. Assoc. Wheat Growers Foundation in co-op. Agric. Res. Serv., USDA and Natl. Wheat Improvement Committee. p. 171-173. (NAL Call No.: aSB191.W5N38 1982).

0618

Wheat disease management.
Wilcoxson, R.D. Boca Raton, Fla., CRC Press. CRC handbook of pest management in agriculture. 1981. Literature review. v. 3. p. 329-341. 27 ref. (NAL Call No.: SB950.C7).

0619

Wheat, oats and barley seed treatment fungicides.
Willis, William G. 1980. This publication discusses the diseases, insects and chemical effectiveness of treating wheat, oats, and barley seeds with fungicides. It also includes a table of different brands of fungicides and their effectiveness. Document available from: Distribution Center, Umberger Hall, Kansas State University, Manhattan, KS 66506. 4 p. (NAL Call No.: AF66).

0620

Wheat pests, diseases and armyworms.
(Kentucky) University of Kentucky, Cooperative Extension Service 1982. Pesticide Applicator Training collection ~Cassette title: Wheat diseases and armyworms. 33 slides : col. + 1 sound cassette (12:10 min.) + 1 script. (NAL Call No.: Slide no.13).

PLANT DISEASES - FUNGAL

0621

The activation of triadimefon and its role in the selectivity of fungicide action (Systemic fungitoxic effect, cucumbers, tomatoes, beans and wheat).
Gasztoni, M. Josepovits, G. London Society of Chemical Industry. Pesticide scienceSociety of Chemical Industry. Feb 1979. v. 10 (1). p. 57-65. ill. 18 ref. (NAL Call No.: SB951.P47).

0622

Additive resistance in wheat to Puccinia striiformis (cause of stripe rust disease).
Krupinsky, J.M. Sharp, E.L. St. Paul, American Phytopathological Society. Phytopathology. Dec 1978. v. 68 (12). p. 1795-1799. ill. 25 ref. (NAL Call No.: 464.8 P56).

0623

Adult-plant leaf rust (Puccinia recondita) resistance in PI 250413, an introduction of common wheat (Genetic aspects).
Dyck, P.L. Samborski, D.J. Ottawa, Agricultural Institute of Canada. Canadian journal of plant science. Apr 1979. v. 59 (2). p. 329-332. ill. 4 ref. (NAL Call No.: 450 C16).

0624

Adult plant resistance of Thatcher wheat to stem rust·(Puccinia graminis).
Nazareno, N.R.X. Roelfs, A.P. St. Paul, Minn., American Phytopathological Society. Phytopathology. Feb 1981. v. 71 (2). p. 181-185. ill. 24 ref. (NAL Call No.: 464.8 P56).

0625

Aerial application of Dithane M-45 on wheat for leaf rust control, 1982 (Puccinia recondita on Triticum aestivum).
Hagan, A.FNETD. Gudauskas, R.; Chapman, C. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 55. (NAL Call No.: 464.9 AM31R).

0626

Allelic and linkage relations among genes for reaction to wheat stem rust / by Hossein Kaveh.
Kaveh, Hossein, 1934. 1968. Thesis (Ph.D.)--North Dakota State University, 1968. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. vi, 107 leaves : ill. ; 21 cm. Bibliography: leaves 81-84. (NAL Call No.: DISS 69-12,875).

0627

Allelic and linkage relations among genes for stem rust resistance from Triticum turgidum, 'Mindum', 'Acme' selection, 'Palestine', and 'Khapli' (Puccinia graminis, host plant, disease).
Williams, N.D.CRPSA. Miller, J.D. Madison : Crop Science Society of America. Crop science. Nov/Dec 1982. v. 22 (6). p. 1203-1207. 12 ref. (NAL Call No.: 64.8 C883).

0628

Alternaria triticina (On leaves, leaf sheaths, glumes and grains of Triticum spp., triticale and barley).
Anahosur, K.H. Kew, Eng., The Institute. CMI, descriptions of pathogenic fungi and bacteria.Commonwealth Mycological Institute. 1978. v. 59 (583). 2 p. ill. 2 ref. (NAL Call No.: 462.7 C73).

0629

Analysis of symptoms on spring and winter wheat cultivars inoculated with different isolates of Septoria nodorum (Triticum aestivum, glume blotch, difference in pathogenicity, plant resistance).
Scharen, A.L.PHYTA. Eyal, Z. St. Paul : American Phytopathological Society. Phytopathology. Feb 1983. v. 73 (2). p. 143-147. 15 ref. (NAL Call No.: 464.8 P56).

0630

Application of scanning electron microscopy to paraffin-embedded plant tissues to study invasive processes of plant-pathogenic fungi (Coprinus psychromorbidus, wheat).
Gaudet, D.A. Kokko, E.G. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Sept 1984. v. 74 (9). p. 1078-1080. ill. Includes 9 references. (NAL Call No.: 464.8 P56).

0631

Assessment of interactions between cultivated and wild wheats and Septoria tritici (Triticum, genomes and cultivars, resistance).
Yechilevich-Auster, M.PHYTA. Levi, E.; Eyal, Z. St. Paul : American Phytopathological Society. Phytopathology. July 1983. v. 73 (7). p. 1077-1083. Includes references. (NAL Call No.: 464.8 P56).

0632

The association and dissociation of genes for virulence in wheat stem rust (Puccinia graminis tritici).
Knott, D.R. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Sept 1984. v. 74 (9). p. 1023. Includes 9 references. (NAL Call No.: 464.8 P56).

0633

"Bacterization" seed treatment and banded fertilizers for suppression of take-all root rot of wheat (Gaeumannomyces graminis).
Halsey, M.E. Powelson, R.L. Corvallis, Or., The Station. Special report - Oregon Agricultural Experiment Station. July 1981. July 1981. (633). p. 41-46. ill. (NAL Call No.: 100 OR3M).

0634

Banding ammonium and chloride fertilizers for suppression of take-all rot rot of wheat (Gaeumannomyces graminis var. tritici).
Powelson, R.L. OR. Jackson, T.L.; Halsey, M.E. Corvallis, Or., The Station. Special report - Agricultural Experiment Station, Oregon State University. June 1980. June 1980. (571). p. 64-67. ill. (NAL Call No.: 100 OR3M).

0635

Beating the (dwarf) bunt (Tilletia controversa, wheat).
Krings, M. MT. Bozeman, The Service. Focus on Montana agriculture - Cooperative Extension Service, Montana State University. Winter 1979. v. 1 (1). p. 7. ill. (NAL Call No.: S451.M9M9).

0636

Biodegradation of fatty acylamino acids by Fusarium culmorum (Wheat seed treatment).
Madhosingh, C. Orr, W. New York, N.Y. : Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1984. v. 19 (4/5). p. 491-499. ill. Includes references. (NAL Call No.: TD172.J61).

0637

Biological control attempts using five species of Bacillus as seed-treatments of wheat.
Lengkeek, V.H. Otta, J.D. Grand Forks, The Academy. Proceedings of the North Dakota Academy of Science. Apr 1979. v. 33. p. 2. 2 ref. (NAL Call No.: 500 N813).

0638

Biological control attempts using five species of Bacillus as seed-treatments of wheat (to control fungal pathogens).
Lengkeek, V.H. Otta, J.D. Pierre, S. Dak., The Academy. Proceedings of the South Dakota Academy of Science.South Dakota Academy of Science. 1979. v. 58. p. 144-156. ill. 17 ref. (NAL Call No.: 500 S082).

0639

Biological control of Rhizoctonia solani damping-off with wheat bran culture of Trichoderma harzianum (Soilborne pathogens, kidney beans, tomatoes, eggplants).
Hadar, Y. Chet, I. St. Paul, American Phytopathological Society. Phytopathology. Jan 1979. v. 69 (1). p. 64-68. ill. 28 ref. (NAL Call No.: 464.8 P56).

0640

Biology and control of Claviceps purpurea (Fr.) Tul. on male sterile wheat and barley / by Shivayogi Basaya Puranik.
Puranik, Shivayogi Basaya, 1929. 1970. Thesis (Ph.D.)--Montana State University, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. ix, 69 leaves ; 21 cm. Bibliography: leaves (65)-69. (NAL Call No.: DISS 71-15,563).

0641

Breakthrough discovery (of Pythium) in wheat.
Yarris, L.C. Washington, D.C., Science and Education Administration, U.S. Dept. of Agriculture. Agricultural research.United States. Dept. of Agriculture. Aug 1979. v. 28 (2). p. 7. ill. (NAL Call No.: 1.98 AG84).

0642

Bunt control with fungicide seed treatments on wheat production, 1980 (Wheat (Triticum aestivum 'Triumph 64'), common bunt; Tilletia foetida).
Williams, E. Jr. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 177-178. (NAL Call No.: 464.9 AM31R).

0643

Bunt of wheat (Tilletia spp., Fungi, control).
Hoffman, J.A. St. Paul, American Phytopathological Society. Plant disease. Nov 1982. v. 66 (11). p. 979-986. ill. 22 ref. (NAL Call No.: 1.9 P69P).

0644

Calculation of selection coefficients against unnecessary genes for virulence from field data (Puccinia graminis tritici, stem rust in wheat, Triticum aestivum, Erysiphe graminis hordei, powdery mildew in barley, Hordeum vulgare, resistance genes).
Grant, M.W.PHYTA. Archer, S.A. St. Paul : American Phytopathological Society. Phytopathology. Apr 1983. v. 73 (4). p. 547-551. Includes references. (NAL Call No.: 464.8 P56).

0645

Cephalosporium (gramineum) stripe of winter wheat in Wyoming.
Fernandez, J.A. McShane, M.S. St. Paul, Minn., American Phytopathological Society. Plant disease. Dec 1980. v. 64 (12). p. 1117. 3 ref. (NAL Call No.: 1.9 P69P).

0646

Cephalosporium stripe: a new disease in Nebraska wheat.
Boosalis, M.G. Watkins, J.E. Lincoln, The Station. Farm, ranch and home quarterly - Nebraska Agricultural Experiment Station. Spring 1982. v. 29 (1). p. 16-17. ill. (NAL Call No.: 100 N27N).

0647

Cephalosporium stripe of wheat (Cephalosporium gramineum, Montana, Washington, Idaho).
Roth, D.A. Fernandez, J.A. Laramie, Wyo., The Service. Bulletin - Wyoming University, Agricultural Extension Service. Mar 1981. Mar 1981. (742). 2 p. ill. (NAL Call No.: 275.29 W99B).

0648

Chaetoglobosin K: A new plant growth inhibitor and toxin from Diplodia macrospora (Fungal pathogen of corn, toxicity, chicks, wheat).
Cutler, H.G. AR-SO-AR-NE. Crumley, F.G.; Cox, R.H.; Cole, R.J.; Dorner, J.W.; Springer, J.P.; Latterell, F.M.; Thean, J.E.; Rossi, A.E. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1980. v. 28 (1). p. 139-142. ill. 16 ref. (NAL Call No.: 381 J8223).

0649

Changes in wheat leaf polysomal messenger RNA populations during the early stages of rust infection (Puccinia graminis). Effects of chloramphenicol and lincomycin on cell-free translation by polysomes from healthy and infected leaves.
Pure, G.A. Chakravorty, A.K.; Scott, K.J. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Sept 1980. v. 66 (3). p. 520-524. ill. 28 ref. (NAL Call No.: 450 P692).

0650

Chemical control of leaf rust and leaf spot diseases of Scout 66 winter wheat, 1979 (Wheat (Triticum aestivum 'Scout 66'), leaf rust; Puccinia recondita, tan spot; Pyrenophora trichostoma, leaf blotch; Septoria tritici).
Watkins, J.E. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 130. (NAL Call No.: 464.9 AM31R).

0651

Chemical control of leaf rust and leaf spots on winter wheat, 1982 (Puccinia recondita, Septoria tritici, Pyrenophora trichostoma, Triticum aestivum).
Watkins, J.E.FNETD. Wiebe, W.L.; Doupnik, B. Jr. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 68. (NAL Call No.: 464.9 AM31R).

0652

Chemical control of loose smut (Wheat (Triticum aestivum 'WL 711'), loose smut; Ustilago nuda tritici).
Grewal, A.S. Aujla, S.S. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 180. (NAL Call No.: 464.9 AM31R).

0653

Chemical control of stripe and stem rusts of wheat, 1979 (Wheat (Triticum aestivum), stripe rust; Puccinia striiformis, stem rust; Puccinia graminis tritici).
Brown, J.S. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 109. (NAL Call No.: 464.9 AM31R).

0654

Chemical control of tan spot and Septoria leaf and glume blotch of wheat, 1980 (Wheat (Triticum aeastivum 'Larned'), tan spot; Pyrenophora trichostoma, Septoria leaf and glume blotch; Septoria spp.).
Lengkeek, V.H. Krouse, L.J. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 115. (NAL Call No.: 464.9 AM31R).

0655

Chemical control of wheat foliar diseases, 1980 (Wheat (Triticum aestivum 'Coker 68-15'), glume blotch; Septoria nodorum).
Sciumbato, G.L. Edwards, N.C. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 119. (NAL Call No.: 464.9 AM31R).

0656

Chemical seed treatments for controlling seedborne and soilborne common bunt of wheat (Fungus, Tilletia caries).
Hoffman, J.A. Waldher, J.T. St. Paul, Minn., American Phytopathological Society. Plant disease. Mar 1981. v. 65 (3). p. 256-259. 22 ref. (NAL Call No.: 1.9 P69P).

0657

Chloride effects on water potentials and yield of winter wheat infected with take-all root rot (Gaeumannomyces graminis, Oregon).
Christensen, N.W. Taylor, R.G.; Jackson, T.L.; Mitchell, B.L. Madison, Wis., American Society of Agronomy. Agronomy journal. Nov/Dec 1981. v. 73 (6). p. 1053-1058. 29 ref. (NAL Call No.: 4 AM34P).

0658

Colonization of wheat.roots by a fluorescent pseudomonad suppressive to take-all (Pseudomonas fluorescens, Gaeumannomyces graminis var. tritici, Triticum, biological control).
Weller, D.M.PHYTA. St. Paul : American Phytopathological Society. Phytopathology. Nov 1983. v. 73 (11). p. 1548-1553. Includes references. (NAL Call No.: 464.8 P56).

0659

Combating take-all root rot (Gaeumannomyces graminis var. tritici) of winter wheat in western Oregon.
Jackson, T.L. OR. Powelson, R.L.; Christensen, N.W. Corvallis, Or., The Service. FS, fact sheet - Oregon State University Extension Service. Sept 1980. Sept 1980. (250). 2 p. (NAL Call No.: 275.29 OR36).

0660

Combating take-all root rot of winter wheat in western Oregon (Fertilization, management).
Jackson, T.L. Powelson, R.L.; Christensen, N.W. Corvallis, Or., The Service. FS, fact sheet - Oregon State University Extension Service. Sept 1981. Sept 1981. (250). 2 p. (NAL Call No.: 275.29 OR36).

0661

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0665

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0666

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0667

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0668

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0674

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0677

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0678

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0679

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Buechley, G.FNETD. Shaner, G. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 51-52. (NAL Call No.: 464.9 AM31R).

0680

Control of common bunt of winter wheat with experimental seed treatments, 1979 (Wheat (winter) (Triticum aestivum 'Cheyenne'), common bunt; Tilletia foetida).
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0681

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0682

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0683

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0684

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Johnston, R.H. Metz, S.G.; Mathre, D.E. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 171-172. (NAL Call No.: 464.9 AM31R).

0685

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0686

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0687

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0688

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0689

Control of flag smut of wheat with seed treatments, 1979 (Wheat (Triticum aestivum 'Paha'), flag smut; Urocystis agropyri).
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0690

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Line, R.F. Waldher, J. (s.1.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 173-174. (NAL Call No.: 464.9 AM31R).

0691

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0692

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0693

Control of foliar diseases of Arthur wheat with fungicides, 1981 (Wheat (Triticum aestivum 'Arthur'), glume blotch; Septoria nodorum, leaf rust; Puccinia recondita).
Reed, H.E. Chambers, A.Y. (s.1.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 122-123. (NAL Call No.: 464.9 AM31R).

0694

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Anzalone, L. Jr.FNETD. (s.1.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 50. (NAL Call No.: 464.9 AM31R).

0695

Control of leaf rust and powdery mildew on winter wheat cultivars in eastern Washington, 1979 (Wheat (Triticum aestivum), leaf rust; Puccinia recondita, powdery mildew; Erysiphe graminis).
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0696

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Lamey, H.A. (s.1.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 115. (NAL Call No.: 464.9 AM31R).

0697

Control of leaf rust on wheat, 1979 (Wheat (Triticum vulgare), leaf rust; Puccinia recondita).
Jagirdar, H.A. Khaskheli, A.M.; Khanzada, A.L.; Pathan, I.H. (s.1.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 121. (NAL Call No.: 464.9 AM31R).

0698

Control of leaf rust, powdery mildew and Septoria leaf spot diseases with Dithane M-45, 1982 (Puccinia recondita, Erysiphe graminis var. tritici, Septoria tritici, wheat, Triticum aestivum).
Stuckey, R.E.FNETD. Tutt, C. (s.1.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 67. (NAL Call No.: 464.9 AM31R).

0699

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Shaner, G. Finney, R.E. (s.1.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 128. (NAL Call No.: 464.9 AM31R).

0700

Control of leaf rust with seed treatments and foliar sprays, 1982 (Puccinia recondita infecting wheat, Triticum aestivum).
Line, R.R.FNETD. Scott, R.B.; Adams, E.B. (s.1.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 40. (NAL Call No.: 464.9 AM31R).

0701

Control of loose smut of wheat with seed treatment (Wheat (Triticum aestivum L. 'S-308'), loose smut; Ustilago nuda tritici).
Sharma, Y.R. Aujia, S.S.; Grewal, A.S.; Sharma, S.K. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 176-177. (NAL Call No.: 464.9 AM31R).

0702

Control of loose smut of winter wheat with seed treatments, 1979 (Wheat (Triticum aestivum 'Tam-101'), loose smut; Ustilago tritici).
Hansing, E.D. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 201-202. (NAL Call No.: 464.9 AM31R).

0703

Control of loose smut, seed decay and seedling blight of wheat, 1980 (Wheat (Triticum aestivum 'Baart'), loose smut; Ustilago nuda, seed decay and seedling blight; Fusarium, Pythium and Helminthosporium spp.).
Pederson, V.D. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 175-176. (NAL Call No.: 464.9 AM31R).

0704

Control of loose smut, seed decay and seedling blight of wheat, 1981 (Wheat (Triticum aestivum 'Baart'), loose smut; Ustilago nuda, seed decay and seedling blight; Fusarium, Pythium and Helminthosporium spp.).
Pederson, V.D. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 184-185. (NAL Call No.: 464.9 AM31R).

0705

Control of powdery mildew and septoria blight on soft red winter wheat at Rock Springs, Pennsylvania, 1979 (Wheat (Triticum aestivum), powdery mildew; Erysiphe graminis f. sp. tritici, Septoria blight; Septoria nodorum, Septoria tritici).
Frank, J.A. Cole, H. Jr.; Marshall, H.G. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 120-121. (NAL Call No.: 464.9 AM31R).

0706

Control of powdery mildew and Septoria blight with fungicides, 1980 (Wheat (Triticum aestivum 'Blueboy', 'Hart'), powdery mildew; Erysiphe graminis f.sp. tritici, Septoria blight; Septoria nodorum, Septoria tritici).
Cole, H. Jr. Pedersen, W.L.; Frank, J.A.; Hatley, E.O. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 109-110. (NAL Call No.: 464.9 AM31R).

0707

Control of powdery mildew and Septoria leaf blotch by fungicide sprays, 1981 (Wheat (Triticum aestivum 'Roland', 'Hart', 'Potomac'), Septoria leaf blotch; Septoria nodorum, Septoria tritici, powdery mildew; Erysiphe graminis).
Frank, J.A. Jordan, L.J.; Watson, G.R.; Broscious, S.C.; Cole, H. Jr. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 116. (NAL Call No.: 464.9 AM31R).

0708

Control of powdery mildew and Septoria leaf blotch by fungicide sprays, 1982 (Erysiphe graminis, Septoria nodorum, Septoria tritici, Triticum aestivum).
Cole, H. Jr.FNETD. Frank, J.A.; Jordan, L.J.; Watson, G.R.; Broscious, S.C. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 54. (NAL Call No.: 464.9 AM31R).

0709

Control of powdery mildew of wheat with fungicides, 1979 (Wheat (Triticum aestivum 'Coker 68-15', 'McNair 1003'), powdery mildew; Erysiphe graminis f. sp. tritici).
Kingsland, G. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 123. (NAL Call No.: 464.9 AM31R).

0710

Control of powdery mildew on soft red winter wheat at Rock Springs, Pennsylvania, in fumigated and non-fumigated soil, 1979 (Wheat (Triticum aestivum 'Blueboy'), powdery mildew; Erysiphe graminis f. sp. tritici, Septoria blight; Septoria nodorum, Septoria tritici).
Cole, H. Jr. Frank, J.A.; Marshall, H.G. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 120. (NAL Call No.: 464.9 AM31R).

0711

Control of powdery mildew on various wheat cultivars, 1980 (Wheat (Triticum aestivum), powdery mildew; Erysiphe graminis f.sp. tritici, Septoria blight; Septoria nodorum, Septoria tritici, leaf rust; Puccinia recondita f.sp. tritici).
Cole, H. Jr. Pedersen, W.L.; Frank, J.A.; Hatley, E.O. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 110-111. (NAL Call No.: 464.9 AM31R).

0712

Control of powdery mildew on wheat and its subsequent effect on Septoria severity and yield, 1981 (Wheat (Triticum aestivum), Septoria leaf blotch; Septoria nodorum; Septoria tritici, powdery mildew; Erysiphe graminis).
Broscious, S.C. Watson, G.R.; Frank, J.A.; Jordan, L.J.; Thomas, G.; Cole, H. Jr. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 114. (NAL Call No.: 464.9 AM31R).

0713

Control of powdery mildew on wheat with Bayleton under two nitrogen fertilization levels, 1980 (Wheat (Triticum aestivum), powdery mildew; Erysiphe graminis f.sp. tritici, leaf rust; Puccinia recondita f.sp. tritici).
Pedersen, W.L. Cole, H. Jr.; Hatley, E.O.; Frank, J.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 117-118. (NAL Call No.: 464.9 AM31R).

0714

Control of powdery mildew on wheat, 1982 (Erysiphe graminis tritici on Triticum aestivum).
Anderson, M.G.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 50. (NAL Call No.: 464.9 AM31R).

0715

Control of powdery mildew, Septoria blight, and leaf rust with tilt, 1982 (Erysiphe graminis tritici, Septoria nodorum, Septoria tritici, Puccinia recondita, Triticum aestivum, wheat).
Buchholz, C.FNETD. Lengel, M. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 51. (NAL Call No.: 464.9 AM31R).

0716

Control of rusts and powdery mildew on spring wheat and effect of fungicides on plants, 1979 (Wheat (Triticum aestivum), stripe rust; Puccinia striiformis, leaf rust; Puccinia recondita, powdery mildew; Erysiphe graminis, phytotoxicity).
Line, R.F. Waldher, J. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 125. (NAL Call No.: 464.9 AM31R).

0717

Control of seed- and soil-borne common bunt of spring wheat, 1979 (Wheat (Triticum aestivum 'Big-Club'), common bunt; Tilletia caries).
Hoffmann, J.A. Waldher, J.T. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 202-203. (NAL Call No.: 464.9 AM31R).

0718

Control of seed- and soil-borne common bunt of spring wheat, 1980 (Wheat (Triticum aestivum 'Big Club') common bunt; Tilletia caries).
Hoffmann, J.A. Waldher, J.T. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 170-171. (NAL Call No.: 464.9 AM31R).

0719

Control of seed- and soil-borne common bunt of spring wheat, 1981 (Wheat (Triticum aestivum 'Big Club'), common bunt; Tilletia caries).
Hoffmann, J.A. Waldher, J.T. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 180-181. (NAL Call No.: 464.9 AM31R).

0720

Control of seed- and soil-borne common bunt of winter wheat, 1979 (Wheat (Triticum aestivum 'Orin'), common bunt; Tilletia caries).
Hoffmann, J.A. Waldhur, J.T. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 203-204. (NAL Call No.: 464.9 AM31R).

0721

Control of seed- and soil-borne common bunt of winter wheat, 1980 (Wheat (Triticum aestivum 'Orin'), common bunt; Tilletia caries).
Hoffmann, J.A. Waldher, J.T. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 169-170. (NAL Call No.: 464.9 AM31R).

0722

Control of seed- and soil-borne common bunt of winter wheat, 1981 (Wheat (Triticum aestivum 'Orin'), common bunt; Tilletia caries).
Hoffmann, J.A. Waldher, J.T. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 181-182. (NAL Call No.: 464.9 AM31R).

0723

Control of seed- and soilborne common bunt of winter wheat, 1982 (Tilletia caries, Triticum aestivum).
Hoffmann, J.A.FNETD. Waldher, J.T. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 38-39. (NAL Call No.: 464.9 AM31R).

0724

Control of seed-borne common bunt of spring wheat, 1981 (Wheat (Triticum aestivum 'Butte'), common bunt; Tilletia foetida).
Johnston, R.H. Mathre, D.E. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 182-183. (NAL Call No.: 464.9 AM31R).

0725

Control of seed-borne common bunt of winter wheat, 1981 (Wheat (Triticum aestivum 'Cheyenne'), common bunt; Tilletia foetida).
Johnston, R.H. Mathre, D.E. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 183. (NAL Call No.: 464.9 AM31R).

0726

Control of seed-borne common bunt of winter wheat, 1981 (Wheat (Triticum aestivum 'Triumph 64'), bunt; Tilletia foetida).
Backus, W.W. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 178. (NAL Call No.: 464.9 AM31R).

0727

Control of seed decay and seedling blight of wheat, 1979 (Wheat (Triticum aestivum 'Kitt'), seed decay and seedling blight; Fusarium, Pythium and Helminthosporium spp.).
Pederson, V.D. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 210-211. (NAL Call No.: 464.9 AM31R).

0728

Control of seed decay and seedling blight of wheat, 1982 (Fusarium, Pythium, Helminthosporium spp., Triticum aestivum).
Pederson, V.D.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 42-43. (NAL Call No.: 464.9 AM31R).

0729

Control of seedborne common bunt of spring wheat, 1982 (Tilletia foetida on Triticum aestivum).
Johnston, R.H.FNETD. Mathre, D.E. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 39. (NAL Call No.: 464.9 AM31R).

0730

Control of seedborne common bunt of winter wheat, 1982 (Tilletia foetida, Triticum aestivum).
Williams, E. Jr.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 44. (NAL Call No.: 464.9 AM31R).

0731

Control of Septoria leaf blotch with fungicide sprays, 1981 (Wheat (Triticum aestivum 'Roland'), Septoria leaf blotch; Septoria nodorum, Septoria tritici).
Thomas, G. Cole, H. Jr.; Frank J.; Jordan, L.J.; Watson, G.R. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 124-125. (NAL Call No.: 464.9 AM31R).

0732

Control of Septoria leaf blotch with fungicide sprays, 1982 (Septoria nodorum, Septoria tritici, Triticum aestivum, wheat).
Cole, H. Jr.FNETD. Frank, J.A.; Jordan, L.J.; Watson, G.R. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 53. (NAL Call No.: 464.9 AM31R).

0733

Control of Septoria leaf spot of wheat with Mancozeb, 1980 (Wheat (Triticum aestivum), Septoria leaf spot; Septoria nodorum).
Kingsland, G. Graham, W.D. Jr.; Edge, B. III. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 114-115. (NAL Call No.: 464.9 AM31R).

0734

Control of spot blotch of wheat by seed treatments, 1981 (Cochliobolus sativus, Triticum aestivum).
Luz, W.C. da.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 36-37. (NAL Call No.: 464.9 AM31R).

0735

Control of spring wheat diseases with foliar sprays in South Dakota, 1982 (yrenophora tritici-repentis, Fusarium spp., Triticum aestivum).
Buchenau, G.W.FNETD. Yahnke, M.D. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 50-51. (NAL Call No.: 464.9 AM31R).

0736

Control of stem rust (Puccinia graminis) on spring wheat by Triadimefon and Fenapanil.
Rowell, J.B. St. Paul, Minn., American Phytopathological Society. Plant disease. Mar 1981. v. 65 (3). p. 235-236. 10 ref. (NAL Call No.: 1.9 P69P).

0737

Control of strawbreaker foot rot of winter wheat by fungicides in Washington (Pseudocercosporella herpotrichoides).
Bruehl, G.W. Machtmes, R.; Cook, R.J. St. Paul, American Phytopathological Society. Plant disease. Nov 1982. v. 66 (11). p. 1056-1058. ill. 9 ref. (NAL Call No.: 1.9 P69P).

0738

Control of stripe rust and leaf rust of wheat with seed treatments and effects of treatments on the host (Puccinia striformis, Puccinia recondita, Triticum aestivum, fungicides, Washington).
Rakotondradona, R. Line, R.F. St. Paul, American Phytopathological Society. Plant disease. Feb 1984. v. 68 (2). p. 112-117. ill. Includes references. (NAL Call No.: 1.9 P69P).

0739

Control of stripe rust and leaf rust with Baytan seed treatments and Bayleton foliar sprays, 1981 (Wheat (Triticum aestivum 'Orin'), stripe rust; Puccinia striiformis).
Line, R.F. Scott, R.B.; Adams, E.B. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 118-119. (NAL Call No.: 464.9 AM31R).

0740

Control of stripe rust and speckled leaf blotch with fungicides, 1980 (Wheat (Triticum aestivum 'Zenith'), stripe rust; Puccinia striiformis, speckled leaf blotch; Septoria tritici).
Brown, J.S. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 114-115. (NAL Call No.: 464.9 AM31R).

0741

Control of stripe rust in western Washington, 1982 (Puccinia striiformis on wheat, Triticum aestivum).
Line, R.F.FNETD. Scott, R.B.; Adams, E.B. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 58. (NAL Call No.: 464.9 AM31R).

0742

Control of stripe rust of wheat with fungicides, 1982 (Puccinia striiformis, Triticum aestivum).
Powelson, R.L.FNETD. Halsey, M.E. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 62. (NAL Call No.: 464.9 AM31R).

0743

Control of stripe rust with seed treatments and folair sprays, 1982 (Puccinia striiformis on wheat, Triticum aestivum).
Line, R.F.FNETD. Scott, R.B.; Adams, E.B. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 40-41. (NAL Call No.: 464.9 AM31R).

0744

Control of stripe rust with systemic fungicide, 1981 (Wheat (Triticum aestivum 'Orin', 'Nugaines', 'Yamhill'), stripe rust; Puccinia striiformis).
Line, R.F. Scott, R.B.; Adams, E.B. (s.l.), The Society. Fungicide and nematicide tests;

results - American Phytopathological Society. 1982. v. 37. p. 119. (NAL Call No.: 464.9 AM31R).

0745

Control of take-all of wheat with Bayleton and Baytan, 1981 (Wheat (Triticum aestivum 'Fielder'), take-all; Gaeumannomyces graminis).
Line, R.F. Sitton, J.W.; Waldher, J.T. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 120. (NAL Call No.: 464.9 AM31R).

0746

Control of take-all of wheat, 1981 (Gaeumannomyces graminis var. tritici, Triticum aestivum).
Kollmorgen, J.F.FNETD. Ballinger, D.J.; Walsgott, D.N. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 57. (NAL Call No.: 464.9 AM31R).

0747

Control of wheat and barley loose smut, 1978 (Wheat (Triticum aestivum 'Egret' and 'Pinnacle'), barley (Hordeum vulgare 'Lara'), loose smut; Ustilago nuda).
Alcock, K.T. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 213. (NAL Call No.: 464.9 AM31R).

0748

Control of wheat bunt with seed treatments, 1980 (Wheat (Triticum aestivum 'Olympic'), bunt; Tilletia caries and Tilletia foetida).
Ballinger, D.J. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 167. (NAL Call No.: 464.9 AM31R).

0749

Control of wheat diseases with Bayleton, 1980 (Wheat (Triticum aestivum 'Beau', 'Caldwell', and 'Monon'), leaf rust; Puccinia recondita, Septoria leaf blotch; Septoria tritici and Septoria nodorum).
Finney, R.E. Shaner, G. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 111. (NAL Call No.: 464.9 AM31R).

0750

Control of wheat diseases with Bayleton, 1981 (Wheat (Triticum aestivum 'Beau', 'Caldwell', and 'Monon'), leaf rust; Puccinia recondita, Septoria leaf blotch; Septoria tritici and Septoria nodorum, powdery mildew; Erysiphe graminis).
Finney, R.E. Shaner, G. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 116. (NAL Call No.: 464.9 AM31R).

0751

Control of wheat diseases with Baylton, 1982 (Puccinia recondita, Septoria tritici, Septoria nodorum, Triticum aestivum).
Shaner, G.FNETD. Buechley, G. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 64. (NAL Call No.: 464.9 AM31R).

0752

Control of wheat diseases with Tilt and Topcop, 1982 (Puccinia recondita, Septoria tritici, Septoria nodorum, Triticum aestivum).
Buehley, G.FNETD. Shaner, G. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 52. (NAL Call No.: 464.9 AM31R).

0753

Control of wheat foliar diseases with fungicides, 1979 (Wheat (Triticum aestivum 'Opal'), powdery mildew; Erysiphe graminis f. sp. tritici, glume blotch; Septoria nodorum).
Johnston, H.W. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 121. (NAL Call No.: 464.9 AM31R).

0754

Control of wheat foliar diseases with fungicides, 1981 (Wheat (Triticum aestivum 'Coker 68-15'), glume blotch; Septoria nodorum, powdery mildew; Erysiphe graminis f.sp. tritici).
Sciumbato, G.L. Edwards, N.C. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 123-124. (NAL Call No.: 464.9 AM31R).

0755

Control of wheat leaf diseases with BEN 8099, 1979 (Wheat (Triticum aestivum 'Monon'), leaf rust; Puccinia recondita, powdery mildew; Erysiphe graminis, speckled leaf blotch; Septoria tritici).
Shaner, G. Finney, R.E. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 128-129. (NAL Call No.: 464.9 AM31R).

0756

Control of wheat loose smut by seed treatments, 1979 (Wheat (Triticum aestivum 'Pinnacle'), loose smut; Ustilago nuda).
Ballinger, D.J. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 199. (NAL Call No.: 464.9 AM31R).

0757

Control of wheat loose smut with seed treatments, 1982 (Ustilago nuda on Triticum aestivum).
Sheridan, J.E.FNETD. Dawson, H.V. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 43-44. (NAL Call No.: 464.9 AM31R).

0758

Control of wheat loose smut, 1979 (Wheat (Triticum aestivum 'Knox'), loose smut; Ustilago tritici).
Shaner, G. Finney, R.E.; Scott, D.H. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 212-213. (NAL Call No.: 464.9 AM31R).

0759

Control of wheat loose smut, 1980 (Wheat (Triticum aestivum 'Monon'), loose smut; Ustilago tritici).
Finney, R.E. Shaner, G. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 168-169. (NAL Call No.: 464.9 AM31R).

0760

Control of wheat loose smut, 1981 (Wheat (Triticum aestivum 'Monon'), loose smut; Ustilago tritici).
Shaner, G. Finney, R.E. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 185. (NAL Call No.: 464.9 AM31R).

0761

Control of wheat stem rust by low receptivity to infection conditioned by a single dominant gene (Puccinia graminis f. sp. tritici in Triticum aestivum).
Rowell, J.B. St. Paul, Minn., American Phytopathological Society. Phytopathology. Mar 1982. v. 72 (3). p. 297-299. Includes 10 ref. (NAL Call No.: 464.8 P56).

0762

Copper-carbonate treatment for stinking smut of wheat : excerpts from 1926 annual reports of county extension agents / F.C. Meier, and M.C. Wilson.
Meier, F. C. (Washington, D.C.? U.S. Dept. of Agriculture, Extension Service?) 1927. 27 leaves ; 27 cm. -. (NAL Call No.: 1.9 Ex892Esc no.40).

0763

Crater disease of summer wheat in African drylands (Periconia macrospinosa, Pythium oligandrum, Rhizoctonia cerealis, and Rhizoctonia solani, phytotoxins).
Scott, D.B. Visser, C.P.N. Beltsville, Md., The Administration. Plant disease reporter.United States. Dept. of Agriculture. Science and Education Administration. Oct 1979. v. 63 (10). p. 836-840. ill. 15 ref. (NAL Call No.: 1.9 P69P).

0764

Crew winter wheat (Varieties, cultivation, performance, fungus disease resistance and susceptibility, milling and baking).
Morrison, K.J. Allan, R.E.; Peterson, C.J.; Line, R.F.; Rubenthaler, G.L. Pullman, Wash. : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Nov 1983. Nov 1983. (1212). 6 p. ill. (NAL Call No.: 275.29 W27P).

0765

Cultural variation within Typhula idahoensis and Typhula ishikariensis and the species concept (Wheat pathogens, taxonomy, interspecies hybrids).
Bruehl, G.W. Machtmes, R. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1980. v. 70 (9). p. 867-871. ill. 16 ref. (NAL Call No.: 464.8 P56).

0766

Cytological studies of early stages of powdery mildew in barley and wheat. VI. Antagonistic effects of calcium and lithium on the infection of coleoptiles of barley by Erysiphe graminos hordei.
Takamatsu, S. Ishizaki, H. Ottawa. Canadian journal of botany. Feb 15, 1979. v. 57 (4). p. 408-412. ill. 8 ref. (NAL Call No.: 470 C16C).

0767

Cytology and morphological development of basidia, dikaryons, and infective structures of Urocystis agropyri from wheat (Flag smut, Triticum aestivum).
Nelson, B.D. Jr. Duran, R. St. Paul : American Phytopathological Society. Phytopathology. Mar 1984. v. 74 (3). p. 299-304. ill. Includes references. (NAL Call No.: 464.8 P56).

0768

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Mathre, D.E. Johnston, R.H. Oxford, Pergamon Press. Soil biology and biochemistry. 1979. v. 11 (6). p. 577-580. ill. 17 ref. (NAL Call No.: S592.7.A1S6).

0769

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Anderegg, B.N.JEENA. Madisen, L.J. College Park : Entomological Society of America. Journal of economic entomology. Aug 1983. v. 76 (4). p. 733-736. Includes references. (NAL Call No.: 421 J822).

0770

Density dependent sporulation of Erysiphe graminis f.sp.tritici.
PHYTAJ. Rouse, D.I. MacKenzie, D.R.; Nelson, R.R. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Oct 1984. v. 74 (10). p. 1176-1180. ill. Includes 16 references.

0771

Detecting wheat leaf rust resistance gene Lr 13 in seedlings (Puccinia recondia f. sp. tritici, influence of temperatuare).
Pretorius, Z.A. Wilcoxson, R.D.; Long, D.L.; Schafer, J.F. St. Paul, Minn. : American Phytopathological Society. Plant disease. July 1984. v. 68 (7). p. 585-586. Includes references. (NAL Call No.: 1.9 P69P).

0772

Detection of trichothecene mycotoxins. Quantitation of deoxynivalenol by negative chemical ionization mass spectrometry (Corn, wheat, Fusarium).
Rothberg, J.M.ACSMC. Macdonald, J.L.; Swims, J.C. Washington : The Society. ACS Symposium series - American Chemical Society. 1983. Based on a symposium sponsored by the Division of Agricultural and Food Chemistry at the 184th meeting of the American Chemical Society, Kansas City, Missouri, September 12-17, 1982. 1983. (234). p. 271-281. ill. Includes references. (NAL Call No.: QD1.A45).

0773

Determination of effective dose of Baytan as compared with Dithane Z-78 for control of leaf rust of wheat, 1982 (Puccinia recondita tritici, Triticum aestivum).
Singh, S.L.FNETD. Bedi, P.S. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 64-65. (NAL Call No.: 464.9 AM31R).

0774

Determination of optimum time for spray application of systemic fungicides for control of leaf rust of wheat, 1982 (Puccinia recondita tritici, Triticum aestivum).
Singh, S.L.FNETD. Bedi, P.S. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 65. (NAL Call No.: 464.9 AM31R).

0775

Developing wheats resistant to snow mold in Washington State (Triticum aestivum, Fusarium, Typhula).
Bruehl, G.W. St. Paul, American Phytopathological Society. Plant disease. Nov 1982. v. 66 (11). p. 1090-1095. ill. 20 ref. (NAL Call No.: 1.9 P69P).

0776

Disease and insect control through breeding: Resistnace to viruses (Diseases of wheat, vectors, fungi).
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0777

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0778

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0779

Durable resistance: definition of, genetic control, and attainment in plant breeding (Puccinia striformis, wheat).
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0780

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Trione, E.J. St. Paul, American Phytopathological Society. Plant disease. Nov 1982. v. 66 (11). p. 1083-1088. ill., map. 16 ref. (NAL Call No.: 1.9 P69P).

0781

An ecophysiological approach to crop losses exemplified in the system wheat, leaf rust, and glume blotch.
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0782

Effect of barley yellow dwarf virus infection on the development of root rot caused by Cochliobolus sativus in Avena sativa and Triticum durum / by Donald Howard Scott.
Scott, Donald Howard, 1934. 1968. Thesis (Ph.D)--University of Illinois, 1968. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. iv, 102 leaves : ill. ; 21 cm. Bibliography: leaves 83-87. (NAL Call No.: DISS 69-10,842).

0783

Effect of Baytan, a potential systemic seed treatment for control of rusts and powdery mildew, on stand and yield of spring wheat in eastern Washington, 1979 (Wheat (Triticum aestivum 'Fielder', 'Urguie', 'Twin', 'Lemhi'), leaf rust; Puccinia recondita, stripe rust; Puccinia striiformis, powdery mildew; Erysiphe graminis, phytotoxicity).
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0784

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Priyadarshini, E. Tulpule, P.G. Oxford, Pergamon Press. Food and cosmetics toxicology. Oct 1979. v. 17 (5). p. 505-507. ill. 18 ref. (NAL Call No.: 391.8 F73).

0785

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0786

Effect of kernel development and wet periods on production of deoxynivalenol in wheat infected with Gibberella zeae.
PHYTAJ. Hart, L.P. Pestka, J.J.; Liu, M.T. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Dec 1984. v. 74 (12). p. 1415-1418. Includes 18 references.

0787

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McVey, M.A. Statler, G.D. Grand Forks, N.D. : The Academy. Proceedings of the North Dakota Academy of Science. Apr 1984. v. 38. p. 94. Includes 3 references. (NAL Call No.: 500 N813).

0788

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Chang, Ho-Shii, 1938. 1972. Thesis (Ph.D.)--University of Minnesota, 1972. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. v, 76 leaves ; 21 cm. Bibliography: leaves 73-76. (NAL Call No.: DISS 72-27,733).

0789

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0790

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0791

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Lapis, Delfin B., 1931. 1970. Thesis (Ph.D.)--University of Minnesota, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. 92 leaves ; 21 cm. Bibliography: leaves 85-92. (NAL Call No.: DISS 71-18,767).

0792

Effect of seed treatment fungicides on germination, leaf rust and loose smut, 1980 (Wheat (Triticum aestivum 'Sonalika'), leaf rust; Puccinia reconditz, loose smut; Ustilago tritici, seed mycoflora; species of Alternaria, Aspergillus, Curvularia, Helminthosporium, etc.).
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0793

Effect of seed treatment on control of speckled leaf blotch, 1982 (Septoria tritici on wheat, Triticum aestivum).
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0794

Effect of seed treatment on seedling emergence and bunt control, 1982 (Tilletia caries, Tilletia foetida, Triticum aestivum, wheat).
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0795

Effect of seed treatment on wheat bunt, 1979 (Wheat (Triticum aestivum 'Olympic'), bunt; Tilletia caries and Tilletia foetida).
Ballinger, D.J. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 198-199. (NAL Call No.: 464.9 AM31R).

0796

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0797

Effect of seed treatments on plant establishment and bunt control, 1980 (Wheat (Triticum aestivum 'Olympic'), bunt; Tilletia caries and Tilletia foetida).
Ballinger, D.J. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 167. (NAL Call No.: 464.9 AM31R).

0798

Effect of seeding date of winter wheat on incidence, severity, and yield loss caused by Cephalosporium stripe in Kansas (Cephalosporium gramineum, effects of delayed planting).
Raymond, P.J. Bockus, W.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Aug 1984. v. 68 (8). p. 665-667. ill. Includes 18 references. (NAL Call No.: 1.9 P69P).

0799

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0800

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0801

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0802

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0803

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0804

Effectiveness of different rates of bayletan as compared with Dithane Z-78 for control of leaf rust of wheat, 1982 (Puccinia recondita tritici on Triticum aestivum).
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0805

Effectiveness of experimental seed treatments in controlling common bunt of spring wheat, 1979 (Wheat (spring) (Triticum aestivum 'Wared'), common bunt; Tilletia foetida).
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0806

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0807

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0808

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0809

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0810

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0811

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0812

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0813

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0814

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0815

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0816

Effects of soil fumigation and foliar fungicides on grain yield of hard red winter wheat, 1980 (Wheat (Triticum aestivum), powdery mildew; Erysiphe graminia f.sp. tritici, Septoria blight; Septoria nodorum, Septoria tritici).
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0817

Effects of soil fumigation and foliar fungicides on powdry mildew, Septoria blight, and grain yield of wheat, 1980 (Wheat (Triticum aestivum), powdery mildew; Erysiphe graminia f.sp. tritici, Septoria blight; Septoria nodorum, Septoria tritici).
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0818

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0819

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0820

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0821

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0822

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0823

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0824

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0825

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0826

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0827

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0828

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0829

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0830

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0831

Evaluation of chemical seed treatments on seedling stand and yield of winter wheat, 1982 (Decay and blight, Pythium and Fusarium spp., Triticum aestivum).
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0832

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0833

Evaluation of foliar applied fungicides on winter wheat cultivar Rosen, 1982 (Mildews, rusts, scab and Septoria spp. on Triticum aestivum).
Wright, F.E.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 69. (NAL Call No.: 464.9 AM31R).

0834

Evaluation of foliar fungicides for control of leaf and head diseases of wheat, 1979 (Wheat (Triticum aestivum 'Sullivan'), powdery mildew; Erysiphe graminis f. sp. tritici, leaf blotch; Puccinia recondita f. sp. tritici, head scab; Fusarium spp.).
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0835

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0836

Evaluation of foliar fungicides for leaf rust, Septoria leaf spot, glume blotch, and yield on 'Abe' wheat, 1981 (Wheat (Triticum aestivum 'Abe'), leaf rust; Puccinia recondita, Septoria leaf spot; Septoria tritica, glume blotch; Septoria nodorum).
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0837

Evaluation of foliar fungicides for powdery mildew and glume blotch on 'Beau' wheat, 1980 (Wheat (Triticum aestivum 'Beau'), powdery mildew; Erysiphe graminis f. sp. tritici, glume blotch; Septoria nodorum).
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0838

Evaluation of foliar fungicides on soft red winter wheat, 1982 (Powdery mildew, Erysiphe graminis sp. tritici, Triticum aestivum).
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0839

Evaluation of foliar fungicides on two wheat cultivars, 1982 (Erysiphe graminis, Triticum aestivum, comparison of Tyler and Blue Boy varieties).
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0840

Evaluation of foliar fungicides on wheat, 1980 (Wheat (Triticum aestivum 'Arthur' and 'Coker 747'), glume botch; Septoria nodorum, leaf rust; Puccinia recondita).
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0841

Evaluation of foliar fungicides on wheat, 1981 (Wheat (Triticum aestivum 'McNair 1003'), glume blotch; Septoria nodorum, leaf rust; Puccinia recondita).
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0842

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0843

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0844

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Jones, J.P. Collins, F.C. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 183. (NAL Call No.: 464.9 AM31R).

0845

Evaluation of fungicide seed treatment in control of seed-borne and soil-borne diseases of winter wheat, 1981 (Wheat (winter) (Triticum aestivum 'Arthur 71'), covered smut or bunt; Tilletia foetida, loose smut; Ustilago tritici, scab; Gibberella zeae, glume blotch; Septoria nodorum).
Palm, E.W. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 184. (NAL Call No.: 464.9 AM31R).

0846

Evaluation of fungicide seed treatment in control of seed-borne diseases of wheat, 1980 (Wheat (winter) (Triticum aestivum 'Arthur 71'), covered smut or bunt; Tilletia foetida, loose smut; Ustilago tritici, scab; Gibberella zeae, glume blotch; Septoria nodorum).
Palm, E.W. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 174-175. (NAL Call No.: 464.9 AM31R).

0847

Evaluation of fungicide seed treatment on bunt and other head diseases of wheat, 1979 (Wheat (Winter) (Triticum aestivum 'Abe', 'Caddo'), covered smut or bunt; Tilletia foetida, loose smut; Ustilago tritici, scab; Gibberella zeae, glume blotch; Septoria nodorum).
Palm, E.W. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 210. (NAL Call No.: 464.9 AM31R).

0848

Evaluation of fungicide seed treatments for control of loose smut and seedling emergence of wheat, 1982 (Ustilago tritici, decay and blight, Alternaria, Fusarium, Helminthosporium and Pythium spp., Triticum aestivum).
Williams, E. Jr.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 44-45. (NAL Call No.: 464.9 AM31R).

0849

Evaluation of fungicide seed treatments for loose smut control and seedling emergence of wheat, 1980 (Wheat (Triticum aestivum 'Caddo'), loose smut; Ustilago tritici, seed decay and seedling blight; Alternaria, Fusarium, Helminthosporium and Pythium spp.).
Williams, E. Jr. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 178. (NAL Call No.: 464.9 AM31R).

0850

Evaluation of fungicide seed treatments for loose smut control and seedling emergence of wheat, 1981 (Wheat (Triticum aestivum ('Caddo'), loose smut; Ustilago tritici, seed decay and seedling blight; Alternaria, Fusarium, Helminthosporium and Pythium spp.).
Williams, E. Jr. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 187. (NAL Call No.: 464.9 AM31R).

0851

Evaluation of fungicides for control of foliar diseases of soft red winter wheat, 1982 (Septoria tritici, Septoria nodorum, Puccinia recondita, Puccinia graminis f. sp. tritici, Drechslera sorokinianum, Triticum aestivum).
Palm, E.W.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 60-61. (NAL Call No.: 464.9 AM31R).

0852

Evaluation of fungicides for control of foliar diseases of wheat, 1979 (Wheat (Triticum aestivum 'Arthur 71), Septoria leaf blotch; Septoria tritici, Septoria glume blotch; Septoria nodorum, leaf rust; Puccinia recondita, stem rust; Puccinia graminis tritici, spot blotch; Helminthosporium sativum).
Palm, E.W. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 125-126. (NAL Call No.: 464.9 AM31R).

0853

Evaluation of fungicides for control of foliar diseases of wheat, 1980 (Wheat (Triticum aestivum 'Arthur 71'), Septoria leaf blotch; Septoria tritici, Septoria glume blotch; Septoria nodorum, leaf rust; Puccinia recondita, stem rust; Puccinia graminis tritici, spot blotch; Helminthosporium sativum).
Palm, E.W. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 116-117. (NAL Call No.: 464.9 AM31R).

0854

Evaluation of fungicides for control of foliar diseases of wheat, 1980 (Wheat (Triticum aestivum 'Coker 747'), glume blotch; Septoria nodorum, leaf rust; Puccinia recondita).
Reed, H.E. Chambers, A.Y. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 118-119. (NAL Call No.: 464.9 AM31R).

0855

Evaluation of fungicides for control of foliar diseases of wheat, 1982 (Puccinia recondita f. sp. tritici, Septoria sp., Triticum aestivum).
Edwards, N.C.FNETD. Sciumbato, G.L. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 54-55. (NAL Call No.: 464.9 AM31R).

0856

Evaluation of fungicides for control of foliar diseases of wheat, 1982 (Septoria nodorum, Septoria sp., Puccinia recondita, Triticum aestivum).
Reed, H.E.FNETD. Chambers, A.Y.; McCutchen, T.C. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 63. (NAL Call No.: 464.9 AM31R).

0857

Evaluation of fungicides for control of foliar diseases of winter wheat, 1981 (Wheat (Triticum aestivum 'Arthur 71'), Septoria leaf blotch; Septoria tritici, Septoria glume blotch; Septoria nodorum, leaf rust; Puccinia recondita, stem rust; Puccinia graminis f.sp. tritici, spot blotch; Drechslera sorokinianum).
Palm, E.W. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 120-121. (NAL Call No.: 464.9 AM31R).

0858

Evaluation of fungicides for leaf rust and tan spot control in winter wheat, 1981 (Wheat (Triticum aestivum 'Scout 66'), leaf rust; Puccinia recondita, tan spot; Pyrenophora trichostoma).
Watkins, J.E. Wiebe, W.L.; Wysong, D.S.; Doupnik, B. Jr. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 125. (NAL Call No.: 464.9 AM31R).

0859

Evaluation of fungicides for leaf rust, Septoria leaf spot and yield on wheat, 1982 (Puccinia recondita, Septoria tritici, Triticum aestivum).
Stuckey, R.E.FNETD. Clinton, W. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 67. (NAL Call No.: 464.9 AM31R).

0860

Evaluation of fungicides for the control of leaf rust of wheat, 1982 (Puccinia recondita tritici on Triticum aestivum).
Singh, S.L.FNETD. Bedi, P.S. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 66. (NAL Call No.: 464.9 AM31R).

0861

Evaluation of (germ plasm) resistance to Septoria nodorum (glume blotch) in wheat.
Rufty, R.C. Hebert, T.T.; Murphy, C.F. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1981. v. 65 (5). p. 406-409. 22 ref. (NAL Call No.: 1.9 P69P).

0862

Evaluation of seed treatment for the control of take-all of wheat, 1979 (Wheat (Triticum aestivum 'Eagle'), seedling blight, root rot, take-all; Gaeumannomyces graminis var. tritici).
Lengkeek, V.H. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 207. (NAL Call No.: 464.9 AM31R).

0863

Evaluation of seed treatment for the control of wheat soil-borne mosaic of wheat, 1979 (Wheat (Triticum aestivum 'Eagle' and 'Newton'), Polymyxa graminis, wheat soil-borne mosaic virus (WSBMV)).
Lengkeek, V.H. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 208. (NAL Call No.: 464.9 AM31R).

0864

Evaluation of seed treatments for control of seedborne common bunt by winter wheat, 1982 (Tilletia foetida, Triticum aestivum).
Johnston, R.H.FNETD. Mathre, D.E. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 39-40. (NAL Call No.: 464.9 AM31R).

0865

Evaluation of seed treatments on seedling emergence and grain yield of wheat, 1981 (Wheat (Triticum aestivum 'Coker 747'), Pythium spp., Fusarium spp.).
Reed, H.E. Chambers, A.Y.; McCutchen, T.C. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 185. (NAL Call No.: 464.9 AM31R).

0866

Evaluation of systemic fungicides for control of rusts and powdery mildew of wheat in the Pacific Northwest (Wheat (Triticum aestivum), stripe rust; Puccinia striiformis, leaf rust; Puccinia recondita, powdery mildew; Erysiphe graminis).
Line, R.F. Waldher, J. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 124-125. (NAL Call No.: 464.9 AM31R).

0867

Evaluation of systemic fungicides for control of stripe rust, 1980 (Wheat (Triticum aestivum 'Yamhil', 'Nugaines'), stripe rust; Puccinia striiformis).
Line, R.F. Waldher, J. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 228. (NAL Call No.: 464.9 AM31R).

0868

Evaluation of the fungicide DPX-770-2 on wheat, 1979 (Wheat (Triticum aestivum), foliar disease).
Jones, J.P. Dolezal, W.E.; Collins, F.C. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 122. (NAL Call No.: 464.9 AM31R).

0869

Evidence for Pythium as a pathogen of direct-drilled wheat in the Pacific Northwest.
Cook, R.J. Sitton, J.W. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1980. v. 64 (1). p. 102-103. ill. 4 ref. (NAL Call No.: 1.9 P69P).

0870

Experiments toward the control of the take-all disease of wheat and the phymatotrichum root rot of cotton by Frances E. Clark.
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0871

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Papavizas, George C. (George Constantinos), 1922. 1957. Thesis (Ph.D.)--University of Minnesota, 1957. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. 88 leaves : ill. ; 22 cm. Bibliography: leaves 85-88. (NAL Call No.: DISS 57-21,255).

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Sauer, D.B. Storey, C.L.; Walker, D.E. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Sept 1984. v. 74 (9). p. 1050-1053. maps. Includes 13 references. (NAL Call No.: 464.8 P56).

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Fungicidal protectants to improve winter wheat stands, 1980 (Wheat (Triticum aestivum 'Arthur 71'), seed decay and seedling blights; Fusarium, Pythium, Rhizoctonia, et al).
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0885

Fungicide control of powdery mildew of wheat, 1982 (Erysiphe graminis f. sp. tritici, Triticum aestivum).
Krausz, J.P.FNETD. Thilsted, W.E. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 57. (NAL Call No.: 464.9 AM31R).

0886

Fungicide evaluation for control of wheat Cercosporella foot rot, 1979 (Winter wheat (Triticum aestivum v. Nugaines), foot rot; Cercosporella herpotrichoides).
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0889

Fungicide evaluation for control of wheat Septoria blotch's and rusts, 1981 (Wheat (Triticum aestivum 'Stephens', 'Yamhill', 'Omar'), stripe rust; Puccinia striiformis, leaf rust; Puccinia recondita f.sp. tritici, Septoria blotch; Septoria tritici and Septoria nodorum).
Powelson, R.L. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 122. (NAL Call No.: 464.9 AM31R).

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Anzalone, L. Jr. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 108-109. (NAL Call No.: 464.9 AM31R).

0891

Fungicide evaluation for wheat rusts, 1979 (Wheat (Triticum aestivum 'Purdue 5481C1' and 'Thatcher'), stem rust; Puccinia graminis f. sp. tritici, leaf rust; Puccinia recondita).
Rowell, J.B. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 127-128. (NAL Call No.: 464.9 AM31R).

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Fungicide evaluation on wheat, 1979 (Wheat (Triticum aestivum), foliar diseases).
Jones, J.P. Dolezal, W.E.; Collins, F.C. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 122-123. (NAL Call No.: 464.9 AM31R).

0893

Fungicide evaluation on wheat, 1981 (Wheat (Triticum aestivum 'Abe', 'Doublecrop', 'Rosen', 'Coker 68-15', 'Coker 762', 'McNair 1003'), leaf rust; Puccinia recondita, powdery mildew; Erysiphe graminis, Septoria blotch; Septoria tritici).
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0894

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0895

Fungicides for control of powdery mildew of wheat, 1982 (Erysiphe graminis f. sp. tritici, Triticum aestivum).
Kingsland, G.FNETD. Smith, F.H.; Powell, R.C.; Graham, W.D. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 56. (NAL Call No.: 464.9 AM31R).

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Fungitoxicity of smoke (from burning wheat or barley straw, Rhizoctonia solani, Pythium ultimum, Erysiphe graminis hordei, Colletotrichum trifolii, phenolic compounds, laccase).
Zagory, D. Parmeter, J.R. Jr. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Sept 1984. v. 74 (9). p. 1027-1031. ill. Includes 20 references. (NAL Call No.: 464.8 P56).

0897

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Nolt, B.L. Romaine, C.P.; Smith, S.H.; Cole, H. Jr. St. Paul, Minn., American Phytopathological Society. Phytopathology. Dec 1981. v. 71 (12). p. 1269-1272. Includes 15 ref. (NAL Call No.: 464.8 P56).

0898

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Cook, R.J. St. Paul, Minn., American Phytopathological Society. Plant disease. Dec 1980. v. 64 (12). p. 1061-1066. ill. 14 ref. (NAL Call No.: 1.9 P69P).

0899

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Green, G.J. Dyck, P.L. St. Paul, American Phytopathological Society. Phytopathology. June 1979. v. 69 (6). p. 672-675. ill. 9 ref. (NAL Call No.: 464.8 P56).

0900

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Loegering, W.Q. Sears, E.R. St. Paul, Minn., American Phytopathological Society. Phytopathology. Apr 1981. v. 71 (4). p. 425-428. ill. 8 ref. (NAL Call No.: 464.8 P56).

0901

Genetic control of primary haustorial development of Erysiphe graminis on wheat.
Haywood, M.J. Ellingboe, A.H. St. Paul, American Phytopathological Society. Phytopathology. Jan 1979. v. 69 (1). p. 48-53. ill. 9 ref. (NAL Call No.: 464.8 P56).

0902

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Slesinski, Ronald Stephen. Ann Arbor, Mich. University Microfilms 1971. Thesis--Michigan State University, 1969. ix, 107 leaves. Bibliography: leaves 101-107. (NAL Call No.: DISS 70-9,635).

0903

Genetic control of the development of haustoria of Erysiphe graminis f. sp. tritici on wheat / by Mary Joy Haywood.
Haywood, Mary Joy, 1931. 1975. Thesis (Ph.D.)--Michigan State University, 1975. Photocopy. Ann Arbor, Mich. : University Microfilms International, 1977. viii, 69 leaves ; 21 cm. Bibliography: leaves 65-69. (NAL Call

No.: DISS 76-5,566).

0904

Genetic factors conditioning slow rusting in Era wheat (Puccinia graminis f. sp. tritici on Triticum aestivum, wheat genotypes and varieties).
Martinez-Gonzalez, J.M.S.PHYTA. Wilcoxson, R.D.; Stuthman, D.D.; McVey, D.V.; Busch, R.H. St. Paul : American Phytopathological Society. Phytopathology. Feb 1983. v. 73 (2). p. 247-249. 13 ref. (NAL Call No.: 464.8 P56).

0905

The genetics of a distinguishing pigmentation reaction of Typhula idahoensis and Typhula ishikariensis (found in wheat fields).
Bruehl, G.W.PHYTA. Jacobs, D.; Machtmes, R. St. Paul : American Phytopathological Society. Phytopathology. June 1983. v. 73 (6). p. 928-931. Includes references. (NAL Call No.: 464.8 P56).

0906

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Nelson, L.R. Gates, C.E. Madison, Wis., Crop Science Society of America. Crop science. July/Aug 1982. v. 22 (4). p. 771-773. 14 ref. (NAL Call No.: 64.8 C883).

0907

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0908

Grain loss assessment and foliage disease control on Hart wheat by use of fungicides, 1982 (Puccinia recondita, Septoria nodorum, Erysiphe graminis tritici, Triticum aestivum).
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0909

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0910

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0911

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Niks, R.E.PHYTA. St. Paul : American Phytopathological Society. Phytopathology. Jan 1983. v. 73 (1). p. 64-66. ill. 10 ref. (NAL Call No.: 464.8 P56).

0912

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Courtney, K.D. New York, Academic Press. Environmental research. Dec 1979. v. 20 (2). p. 225-266. ill. Bibliography p. 260-266. (NAL Call No.: RA565.A1E5).

0913

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0914

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Eversmeyer, M.G. AR-NC. Kramer, C.L. St. Paul, Minn., American Phytopathological Society.

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0915

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0916

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Christen, A.A. Bruehl, G.W. St. Paul, American Phytopathological Society. Phytopathology. Mar 1979. v. 69 (3). p. 263-266. ill. 13 ref. (NAL Call No.: 464.8 P56).

0917

Identification and characterization of the gene conditioning powdery mildew resistance in 'Amigo' wheat (Triticum aestivum, Erysiphe graminis).
Lowry, J.R. Sammons, D.J.; Baenziger, P.S.; Moseman, J.G. Madison : Crop Science Society of America. Crop science. Jan/Feb 1984. v. 24 (1). p. 129-132. Includes references. (NAL Call No.: 64.8 C883).

0918

Identification of resistance to cephalosporium stripe in winter wheat (Cultivars, Cephalosporium gramineum, soilborne pathogens).
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0919

Identification of resistance to take-all root rot (Gaeumannomyces graminis), Cercosporella (herpotrichoides) foot rot, and Cephalosporium (gramineum) stripe (Wheat).
Powelson, R.L. Corvallis, Or., The Station. Special report.Oregon. Agricultural Experiment Station. June 1979. June 1979. (547). p. 27-28. (NAL Call No.: 100 OR3M).

0920

Identification of the gene for adult-plant leaf rust (Puccinia recondita) resistance in (wheat cultivar) Thatcher.
Dyck, P.L. Ottawa, Agricultural Institute of Canada. Canadian journal of plant science. Apr 1979. v. 59 (2). p. 499-501. ill. 6 ref. (NAL Call No.: 450 C16).

0921

Immunological comparisons of teliospores of two wheat bunt fungi, Tilletia species, using monoclonal antibodies and antisera (Tilletia controversa, Tilletia caries, contamination).
Banowetz, G.M. Trione, E.J.; Krygier, B.B. Bronx : The New York Botanical Garden. Mycologia. Jan/Feb 1984. v. 76 (1). p. 51-62. ill. Includes references. (NAL Call No.: 450 M99).

0922

Impact of disease on wheat yields in Idaho's Kootenai Valley in 1981 (Fungal diseases, crop losses, statistics).
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0923

Importance of secondary inoculum in strawbreaker foot rot of winter wheat (Pseudocercosporella herpotrichoides, Washington).
Bruehl, G.W. Machtmes, R.; Murray, T. St. Paul, Minn., American Phytopathological Society. Plant disease. Sept 1982. v. 66 (9). p. 845-847. 15 ref. (NAL Call No.: 1.9 P69P).

0924

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Gilchrist, D.G. Brownell, K.H.; Martensen, A.N. St. Paul, Minn., American Phytopathological Society. Plant disease. June 1982. v. 66 (6). p. 513-515. map. Includes 12 ref. (NAL Call No.: 1.9 P69P).

0925

Incidence and severity of take-all of wheat in Indiana (Gaeumannomyces graminis, Pathogenic Fungi).
Huber, D.M. St. Paul, Minn., American Phytopathological Society. Plant disease. Sept 1981. v. 65 (9). p. 734-737. maps. 12 ref. (NAL Call No.: 1.9 P69P).

0926

Incidence of Cephalosporium stripe as influenced by winter wheat management practices (Cephalosporium gramineum).
Latin, R.X. Harder, R.W.; Wiese, M.V. St. Paul, Minn., American Phytopathological Society. Plant disease. Mar 1982. v. 66 c (3). p. 229-230. Includes 15 ref. (NAL Call No.: 1.9 P69P).

0927

Incidence of Septoria nodorum in wheat seed and its effects on plant growth and grain yield (Leptosphaeria nodorum, Triticum aestivum, glume blotch, cultivar differences, storage effects, North Carolina).
Babadoost, M. Hebert, T.T. St. Paul, American Phytopathological Society. Plant disease. Feb 1984. v. 68 (2). p. 125-129. ill. Includes references. (NAL Call No.: 1.9 P69P).

0928

Increased take-all of wheat with direct drilling in the Pacific Northwest (Gaeumannomyces graminis tritici, conservation tillage, Washington).
Moore, K.J. Cook, R.J. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Sept 1984. v. 74 (9). p. 1044-1049. ill. Includes 20 references. (NAL Call No.: 464.8 P56).

0929

The induction and analysis of two classes of mutations affecting pathogenicity in an obligate parasite (Erysiphe graminis f. sp. tritici on wheat, Triticum aestivum, resistance).
Gabriel, D.W. Lisker, N.; Ellingboe, A.H. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1982. v. 72 (8). p. 1026-1028. 11 ref. (NAL Call No.: 464.8 P56).

0930

Infection of wheat by Cephalosporium gramineum as influenced by freezing of roots (Triticum, soilborne leaf stripe disease).
Bailey, J.E.PHYTA. Lockwood, J.L.; Wiese, M.V. St. Paul : American Phytopathological Society. Phytopathology. Oct 1982. v. 72 (10). p. 1324-1328. ill. 22 ref. (NAL Call No.: 464.8 P56).

0931

Infection processes of puccinia recondita in slow- and fast-rusting wheat cultivars.
PHYTAJ. Lee, T.S. Shaner, G. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Dec 1984. v. 74 (12). p. 1419-1423. Includes 24 references.

0932

Infectivity of Phythium spp. zoospores in snow rot of wheat (Pythium iwayamai and Pythium okanoganense).
Lipps, P.E. Bruehl, G.W. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 723-726. ill. 23 ref. (NAL Call No.: 464.8 P56).

0933

The influence of certain factors on the occurrence of seedling injuring fungi (Fusarium, Drechslera, Septoria) in the resulting crop of cereal seed (oats, barley, wheat).
Olsson, L. Zurich, International Seed Testing Association. Seed science and technology. 1979. v. 7 (2). p. 235-246. ill. 7 ref. (NAL Call No.: SB117.S455).

0934

The influence of environment and pathogen variability on the infection of wheat by Puccinia striiformis West. / by Richard Gary Beaver.
Beaver, Richard Gary, 1939. 1972. Thesis (Ph.D.)--Oregon State University, 1972. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. 72 leaves ; 21 cm. Bibliography: leaves 68-72. (NAL Call No.: DISS 72-5,083).

0935

Influence of growth regulator, herbicide, and N (nitrogen) solution on fungicide disease control, 1982 (Septoria nodorum, Septoria tritici, Erysiphe graminis, Triticum aestivum, wheat).
Frank, J.A.FNETD. Watson, G.R.; Broscious, S.C.; Cole, H. Jr. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 55. (NAL Call No.: 464.9 AM31R).

0936

The influence of leaf wetness on wheat leaf rust (Puccinia recondita).
Statler, G.D. Nordgaard, J.T. Fargo, N.D., The Station. North Dakota farm research - North Dakota, Agricultural Experiment Station. May/June 1981. v. 38 (6). p. 4-5. ill. 9 ref. (NAL Call No.: 100 N813B).

0937

Influence of plant age on the expression of slow-mildewing resistance in wheat (Powdery mildew, Triticum aestivum).
Gustafson, G.D. Shaner, G. St. Paul, American Phytopathological Society. Phytopathology. July 1982. v. 72 (7). p. 746-749. 17 ref. (NAL Call No.: 464.8 P56).

0938

Influence of seed treatment with imazalil on common root rot (caused by Cochliobolus sativus) and the size of the subcrown internode of wheat.
Chinn, S.H.F. St. Paul, American Phytopathological Society. Phytopathology. Nov 1978. v. 68 (11). p. 1662-1666. ill. 13 ref. (NAL Call No.: 464.8 P56).

0939

The influence of temperature and water potential on asexual reproduction by Pythium . spp. associated with snow rot or wheat.
Lipps, P.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 794-797. 16 ref. (NAL Call No.: 464.8 P56).

0940

Influence of vesicular-arbuscular mycorrhizae and soil phosphorus on take-all disease of wheat (caused by Gaeumannomyces graminis, mycorrhizal fungus, Glomus fasiculatus).
Graham, J.H. Menge, J.A. St. Paul, Minn., American Phytopathological Society. Phytopathology. Jan 1982 v. 72 (1). p. 95-98. Includes 22 ref. (NAL Call No.: 464.8 P56).

0941

Inheritance and transfer to common wheat of leaf rust resistance in durum X common wheat crosses / by Mounir Ibrahim Ali Abdallah.
Abdallah, Mounir Ibrahim Ali, 1939. 1971. Thesis (Ph.D.)--North Dakota State University, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. v, 82 leaves ; 21 cm. Bibliography: leaves 73-82. (NAL Call No.: DISS 72-6,532).

0942

Inheritance of pathogenicity of culture 70-1, race 1, of Puccinia recondita tritici (Leaf rust of wheat).
Statler, G.D. St. Paul, American Phytopathological Society. Phytopathology. June 1979. v. 69 (6). p. 661-663. ill. 7 ref. (NAL Call No.: 464.8 P56).

0943

Inheritance of resistance to common bunt (Tilletia caries) in wheat, C.I. 7090.
Metzger, R.J. Schaller, C.W. Madison, Crop Science Society of America. Crop science. May/June 1979. v. 19 (3). p. 309-312. ill. 10 ref. (NAL Call No.: 64.8 C883).

0944

Inheritance of resistance to Septoria nodorum in wheat.
Nelson, L.R. Madison, Wis., Crop Science Society of America. Crop science. July/Aug 1980. v. 20 (4). p. 447-449. 11 ref. (NAL Call No.: 64.8 C883).

0945

Inheritance of resistance to stem rust in a selection of the wheat cultivar 'Waldron' (Puccinia graminis).
Williams, N.D.CRPSA. Miller, J.D. Madison : Crop Science Society of America. Crop science. Nov/Dec 1982. v. 22 (6). p. 1175-1179. 7 ref. (NAL Call No.: 64.8 C883).

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PLANT DISEASES - BACTERIAL

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Lengkeek, V.H. Otta, J.D. Grand Forks, The Academy. Proceedings of the North Dakota Academy of Science. Apr 1979. v. 33. p. 2. 2 ref. (NAL Call No.: 500 N813).

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Influence of temperature and light on severity of bacterial blight (Pseudomonas avenae) of corn, oats, and wheat.
Schaad, N.W. Sumner, D.R.; Ware, G.O. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1980. v. 64 (5). p. 481-483. ill. 8 ref. (NAL Call No.: 1.9 P69P).

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Crumrine, Martin H., 1944. 1970. Thesis (Ph.D.)--Kansas State University, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. iii, 50 leaves ; 21 cm. Bibliography: leaves 44-49. (NAL Call No.: DISS 71-17,353).

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Faull, J.L. Campbell, R. Ottawa, National Research Council of Canada. Canadian journal of botany. Sept 1, 1979. v. 57 (17). p. 1800-1808. ill. 25 ref. (NAL Call No.: 470 C16C).

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Watkins, J.E. Boosalis, M.G. Lincoln, The Station. Farm, ranch and home quarterly - Nebraska Agricultural Experiment Station. Winter 1982. v. 28 (4). p. 9-12. ill. (NAL Call No.: 100 N27N).

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PLANT DISEASES – VIRAL

1115

Assessment of losses on spring wheat naturally infected with barley yellow dwarf virus (in Manitoba).
Gill, C.C. St. Paul, Minn., American Phytopathological Society. Plant disease. Feb 1980. v. 64 (2). p. 197-203. ill., map. 10 ref. (NAL Call No.: 1.9 P69P).

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Carrigan, L.L.CRPSA. Ohm, H.W.; Foster, J.E. Madison : Crop Science Society of America. Crop science. July/Aug 1982. v. 23 (4). p. 611-612. Includes references. (NAL Call No.: 64.8 C883).

1117

Contro of wheat streak mosaic virus with vector resistance in wheat (Wheat curl, Eriophyes tulipae, wheat curl mite as insect vector, Kansas).
Martin, T.J. Harvey, T.L.; Bender, C.G.; Seifers, D.L. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Aug 1984. v. 74 (8). p. 963-964. Includes 14 references. (NAL Call No.: 464.8 P56).

1118

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Andersen, Lloyd W. (Lloyd William), 1924. 1971. Thesis (Ph.D.)--University of Nebraska, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. 101 leaves ; 21 cm. Bibliography: leaves 96-101. (NAL Call No.: DISS 71-28,593).

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Controlling wheat curl mite (Eriophyes tulipae) and wheat streak mosaic virus with systemic insecticide.
Harvey, T.L. Martin, T.J. College Park, Md., Entomological Society of America. Journal of economic entomology. Dec 1979. v. 72 (6). p. 854-855. ill. 11 ref. (NAL Call No.: 421 J822).

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1122

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Cisar, G. Brown, C.M.; Jedlinski, H. Madison, Wis., Crop Science Society of America. Crop science. Mar/Apr 1982. v. 22 (2). p. 328-333. Includes 15 ref. (NAL Call No.: 64.8 C883).

1123

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Brown, C.M. (Beltsville, Md. : USDA, Agricultural Research Service, Northeastern Region, 1982). National Wheat Research Conference, Beltsville, Md., Oct. 26-28, 1982 / presented by Natl. Assoc. Wheat Growers Foundation in co-op. Agric. Res. Serv., USDA and Natl. Wheat Improvement Committee. p. 166-170. (NAL Call No.: aSB191.W5N38 1982).

1124

Effect of barley yellow dwarf virus infection on the development of root rot caused by Cochliobolus sativus in Avena sativa and Triticum durum / by Donald Howard Scott.
Scott, Donald Howard, 1934. 1968. Thesis (Ph.D)--University of Illinois, 1968. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. iv, 102 leaves : ill. ; 21 cm. Bibliography: leaves 83-87. (NAL Call No.: DISS 69-10,842).

1125

Effect of fall or spring infection and sources of tolerance of barley yellow dwarf of winter wheat (Aphid vector, resistance, virus, yield loss).
Cisar, G. Brown, C.M.; Jedlinski, H. Madison, Wis., Crop Science Society of America. Crop science. May/June 1982. v. 22 (3). p. 474-478. 28 ref. (NAL Call No.: 64.8 C883).

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Effect of temperature on susceptibility of normal and aberrant ratio corn stocks to barley stripe mosaic and wheat streak mosaic viruses (Virus-induced mutations).
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Phytopathology. Aug 1981. v. 71 (8). p. 823-824. 7 ref. (NAL Call No.: 464.8 P56).

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Effect of wheat streak mosaic virus on twelve hard red spring wheat cultivars (vectored by the wheat curl mite Eriophyes tulipae).
Jons, V.L. Timian, R.G.; Lamey, H.A. Fargo, N.D., The Station. North Dakota farm research - North Dakota, Agricultural Experiment Station. Sept/Oct 1981. v. 39 (2). p. 17-18. ill. 5 ref. (NAL Call No.: 100 N813B).

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Harvey, T.L. Martin, T.J. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1980. v. 73 (2). p. 225-227. ill. 11 ref. (NAL Call No.: 421 J822).

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Nykaza, S.M. Heyne, E.G. Beltsville, Md., Science and Education Administration, U.S. Dept. of Agriculture. Plant disease reporter. July 1979. v. 63 (7). p. 594-598. ill. 12 ref. (NAL Call No.: 1.9 P69P).

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1131

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1132

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Nolt, B.L. Romaine, C.P.; Smith, S.H.; Cole, H. Jr. St. Paul, Minn., American Phytopathological Society. Phytopathology. Dec 1981. v. 71 (12). p. 1269-1272. Includes 15 ref. (NAL Call No.: 464.8 P56).

1133

Identification and occurrence of wheat streak mosaic virus in winter wheat in Colorado and its effects on several wheat cultivars (Primary inoculum sources, yield loss).
Shahwan, I.M. Hill, J.P. St. Paul, Minn. : American Phytopathological Society. Plant disease. July 1984. v. 68 (7). p. 579-581. Includes references. (NAL Call No.: 1.9 P69P).

1134

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1135

Inheritance of resistance to soil borne mosaic in wheat (Triticum aestivum).
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A procedure to identify resistance to wheat soilborne mosaic in wheat seedlings (Triticum aestivum, Polymyxa graminis, fungal vectors, resistant cultivars, Kansas).
Bockus, W.W. Niblett, C.L. St. Paul, American Phytopathological Society. Plant disease. Feb 1984. v. 68 (2). p. 123-124. Includes references. (NAL Call No.: 1.9 P69P).

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Procedures for evaluating wheat streak mosaic virus resistance (Aceria tulipae as insect vector).
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Gumpf, David J. (David John), 1942. 1970. Thesis (Ph.D.)--University of Nebraska, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. 62 leaves ; 21 cm. Bibliography: leaves 58-62. (NAL Call No.: DISS 71-2,889).

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Three-dimensional structure of pinwheel inclusions as determined by analytic geometry (Wheat streak mosaic virus, tobacco etch virus).
Mernaugh, R.L. Gardner, W.S.; Yocom, K.L. New York, Academic Press. Virology. Oct 30, 1980. v. 106 (2). p. 273-281. ill. 16 ref. (NAL Call No.: 448.8 V81).

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Rahman, Fazal. Ann Arbor, Mich. University Microfilms 1973. Thesis--South Dakota State University, 1972. 52 leaves. Bibliography: leaves 44-48. (NAL Call No.: DISS 73-12,019).

1146

Transcription in vitro of cauliflower mosaic virus DNA by RNA polymerase I, II, and III purified from wheat embryos.
Teissere, M. Durand, R. New York, Academic Press. Biochemical and biophysical research communications. July 27, 1979. v. 89 (2). p. 526-533. ill. 20 ref. (NAL Call No.: 442.8 B5236).

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Translation of eggplant mosaic virus RNA in wheat germ extracts and reticulocyte lysates.
Ricard, B. Renaudin, H. New York. Virology. Dec 1978. v. 91 (2). p. 305-311. ill. 22 ref. (NAL Call No.: 448.8 V81).

1148

Translation of southern bean mosaic virus RNA in wheat embryo and rabbit reticulocyte extracts.
Salerno-Rife, T. SEA. Rutgers, T.; Kaesberg, P. Washington, D.C., American Society for Microbiology. Journal of virology. Apr 1980. v. 34 (1). p. 51-58. ill. 28 ref. (NAL Call No.: QR360.J6).

1149

Transmission studies of soil-borne wheat mosaic virus / by Rodulfo P. Pacumbaba.
Pacumbaba, Rodulfo P., 1935. 1970. Thesis--Kansas State University. Photocopy of typescript. Ann Arbor: University Microfilms, 1971. iv, 142 leaves. Bibliography: leaves 134-140. (NAL Call No.: DISS 70-16,640).

1150

Ultrastructure of fungal plant virus vectors Polymyxa graminis in soilborne wheat mosaic virus-infected wheat and Polymyxa betae in beet necrotic yellow vein virus-infected sugarbeet (Triticum aestivum, Beta vulgaris).
Langenberg. W.G. Giunchedi, L. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1982. v. 72 (9). p. 1152-1158. ill. 25 ref. (NAL Call No.: 464.8 P56).

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Wheat spindle streak mosaic virus in Nebraska (Triticum aestivum).
Brakke, M.K. Langenberg, W.G.; Samson, R.G. St. Paul, Minn., American Phytopathological Society. Plant disease. Oct 1982. v. 66 (10). p. 958-959. ill. 11 ref. (NAL Call No.: 1.9 P69P).

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Uyemoto, J.K. Ferguson, M.W. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1980. v. 64 (5). p. 460-462. ill. 11 ref. (NAL Call No.: 1.9 P69P).

1156

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Jons, V.L. Timian, R.G.; Gardner, W.S.; Stomberg, E.L.; Berger, P. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1981. v. 65 (5). p. 447-448. ill. 7 ref. (NAL Call No.: 1.9 P69P).

1157

Wheat virus diseases in southwestern Kansas.
Lengkeek, Venance H. 1979. This publication discusses three wheat virus diseases in Kansas, the soil borne mosaic, wheat streak, & barley yellow dwarf. It also includes their main location, symptoms, & control. Document available from: Distribution Center, Umberger Hall, Kansas State Univ., Manhattan, KS 66506. 1 sheet. (NAL Call No.: AF 41).

PLANT DISEASES - PHYSIOLOGICAL

1158

Aluminum tolerances of two wheat genotypes related to nitrate reductase activities (Triticum aestivum, acid soil tolerance, effects on the two nitrate reductase systems, toxicity, chlorosis).
Foy, C.D.JPNUD. Fleming, A.L. New York : Marcel Dekker. Journal of plant nutrition. 1982. v. 5 (11). p. 1313-1333. ill. 27 ref. (NAL Call No.: QK867.J67).

1159

Copper and manganese fertilization of wheat on an organic soil--Roseau county, (Minnesota), 1981 (Nutrient deficiencies).
Jokela, W.E. O'Leary, M. St. Paul : The Station. Miscellaneous publication - University of Minnesota, Agricultural Experiment Station. 1982. 1982. (2). p. 197-199. (NAL Call No.: S1.M52).

1160

The diagnosis of nitrogen deficiency in wheat by means of a critical nitrate concentration in stem bases.
Papastylianou, I. Graham, R.D.; Puckridge, D.W. New York, Marcel Dekker. Communications in soil science and plant analysis. 1982. v. 13 (6). p. 473-485. ill. 21 ref. (NAL Call No.: S590.C63).

1161

Dry matter production in tops and roots of winter wheat as affected by phosphorus availability during various growth stages (Triticum aestivum, includes deficiency effects).
Sutton, P.J.AGJOA. Peterson, G.A.; Sander, D.H. Madison : American Society of Agronomy. Agronomy journal. July/Aug 1983. v. 75 (4). p. 657-663. ill. Includes references. (NAL Call No.: 4 AM34P).

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Early lodging of soft white wheat (Yields).
Pumphrey, F.V. Corvallis, Or., The Station. Special report - Oregon Agricultural Experiment Station. July 1981. July 1981. (633). p. 1-4. (NAL Call No.: 100 OR3M).

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Effect of sulphur deficiency on wheat quality.
Wrigley, C.W. Cros, D.L. du; Moss, H.J.; Randall, P.J.; Fullington, J.G. Washington, D.C. : The Sulphur Institute. Sulphur in agriculture. 1984. v. 8. p. 2-7. ill. Includes references. (NAL Call No.: S587.5.S9S9).

1164

Evaluation of the need for copper with several soil extractants (Deficiencies, critical levels, soybeans, Glycine max, corn, Zea mays, wheat, Triticum aestivum, soils from the Atlantic Coastal Plain, North Carolina).
Makarim, A.K.AGJOA. Cox, F.R. Madison : American Society of Agronomy. Agronomy journal. May/June 1983. v. 75 (3). p. 493-496. Includes references. (NAL Call No.: 4 AM34P).

1165

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Wallace, A. Wallace, G.A.; Abou-Zamzam, A.M. New York, N.Y. : Marcel Dekker. Journal of plant nutrition. 1984. Presented at the "Second International Symposium on Iron Nutrition and Interactions in Plants," August 2-5, 1983, Utah State University, Logan. v. 7 (1/5). p. 211-222. Includes references. (NAL Call No.: QK867.J67).

1166

Increases in phosphatase and beta-glucosidase activities in wheat seedlings in response to phosphorus-deficient crowth.
Smyth, D.A. Chevalier, P. New York, N.Y. : Marcel Dekker. Journal of plant nutrition. 1984. v. 7 (8). p. 1221-1231. ill. Includes references. (NAL Call No.: QK867.J67).

1167

Manganese deficiency and toxicity effects on growth, development, and nutrient composition in wheat (Triticum aestivum, Solution culture under greenhouse conditions).
Ohki, K. Madison : American Society of Agronomy. Agronomy journal. Mar/Apr 1984. v. 76 (2). p. 213-218. ill. Includes references. (NAL Call No.: 4 AM34P).

1168

Manganese deficiency in Indiana soils.
Hood, E. L. Spies, C. D.& Agronomy guide. 197?. This publication deals with manganese deficiences in Indiana. Included in the article are the locations of deficiency problems and how to recognize manganese deficiences in soybeans, oats, wheat, and corn. To correct a manganese deficiency a section discusses how to amend or correct the problem. Sampling plants for deficiency tests are also mentioned in the publication. Document available from: Mailing Room, Ag. Admin. Bldg., Purdue Univ., West Lafayette, IN 47907. 1 sheet. (NAL Call No.: AY-100).

1169

Nitrogen metabolism and yellowberry of two bread wheat cultivars (Starchiness or mottle, grain disorder).
Henson, J.F.CRPSA. Waines, J.G. Madison : Crop Science Society of America. Crop science. Jan/Feb 1983. v. 23 (1). p. 20-22. ill. Includes references. (NAL Call No.: 64.8 C883).

1170

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Pryor, A. San Francisco, California Farmer Publishing Co. California farmer. Feb 21, 1981. v. 254 (4). p. 32-G. (NAL Call No.: S1.C185).

1171

Technical progress in yields--no substitute for soil conservation (Effect of top soil erosion on wheat yield, Idaho).
Walker, D.J. Young, D.L. Moscow : The Service. Current information series - Cooperative Extension Service, University of Idaho. Dec 1982. Dec 1982. (671). 5 p. ill. Includes references. (NAL Call No.: 275.29 ID13IDC).

MISCELLANEOUS PLANT DISORDERS

1172

Alpha-amylase activity and preharvest sprouting damage in Kansas hard white wheat.
Huang, G. Varriano-Marston, E. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. May/June 1980. v. 28 (3). p. 509-512. ill. 21 ref. (NAL Call No.: 381 J8223).

1173

Aluminum tolerances of two wheat genotypes related to nitrate reductase activities (Triticum aestivum, acid soil tolerance, effects on the two nitrate reductase systems, toxicity, chlorosis).
Foy, C.D.JPNUD. Fleming, A.L. New York : Marcel Dekker. Journal of plant nutrition. 1982. v. 5 (11). p. 1313-1333. ill. 27 ref. (NAL Call No.: QK867.J67).

1174

Aluminum toxicity and DNA synthesis in wheat roots (Triticum aestivum, cultivars, physiological processes).
Wallace, S.U.AGJOAT. Anderson, I.C. Madison : American Society of Agronomy. Agronomy journal. Jan/Feb 1984. v. 76 (1). p. 5-8. Includes references. (NAL Call No.: 4 AM34P).

1175

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Henning, Stanley John. Ann Arbor, Mich. University Microfilms 1975. Thesis--Oregon State University, 1975. Facsimile produced by microfilm-xerography. 118 leaves. Bibliography: leaves 112-116. (NAL Call No.: DISS 75-13,057).

1176

Amine salts of growth regulator herbicides antagonize paraquat (Phytotoxicity, barley, wheat, wild oat).
O'Donovan, J.T. O'Sullivan, P.A. Champaign : Weed Science Society of America. Weed science. Nov 1982. v. 30 (6). p. 605-608. 6 ref. (NAL Call No.: 79.8 W41).

1177

Ammonium uptake by wheat varieties differing in Al (aluminium) tolerance (Triticum aestivum, toxicity).
Fleming, A.L.AGJOA. Madison : American Society of Agronomy. Agronomy journal. Sept/Oct 1983. v. 75 (5). p. 726-730. ill. Includes references. (NAL Call No.: 4 AM34P).

1178

Canopy temperature as a crop water stress indicator (Wheat).
Jackson, R.D. Idso, S.B.; Reginato, R.J.; Pinter, P.J. Jr. Washington, D.C., American Geophysical Union. Water resources research. Aug 1981. v. 17 (4). p. 1133-1138. ill. 22 ref. (NAL Call No.: 292.8 W295).

1179

Comparative phototoxicity of glyphosate, SC-0224, SC-0545, and HOE-00661.
WEESA6. Carlson, K.L. Burnside, O.C. Champaign, Ill. : Weed Science Society of America. Weed science. Nov 1984. v. 32 (6). p. 841-844. ill. Includes 9 references.

1180

A comparison of various growth parameters of cell suspension cultures to determine phytotoxicity of xenobiotics (Soybean, Glycine max, einkorn, Triticum monococcum, detergent or herbicide).
Davis, D.G. Stolzenberg, R.L.; Dusky, J.A. Champaign : Weed Science Society of America. Weed science. Mar 1984. v. 32 (2). p. 235-242. ill. Includes references. (NAL Call No.: 79.8 W41).

1181

Crown-depth soil temperatures and winter protection for winter wheat survival (Cold hardening).
Aase, J.K. AR-W. Siddoway, F.H. Madison, Wis., The Society. Journal.Soil Science Society of America. Nov/Dec 1979. v. 43 (6). p. 1229-1233. ill. 22 ref. (NAL Call No.: 56.9 S03).

1182

Cytological and biochemical effects of trifluralin on mitosis (in wheat, corn, and cotton root tips, preemergence herbicides).
Bartels, P.G. Hess, F.D.; Bayer, D.E. Honolulu, The Station. Technical Bulletin - Hawaii Agricultural Experiment Station, University of Hawaii. June 1981. June 1981. (100). p. 64-80. ill. 2 p. ref. (NAL Call No.: 100 H313T).

1183

Date of seeding, fall growth, and winter survival of winter wheat and rye (Triticum aestivum, Secale cereale, Saskatchewan).
Fowler, D.B.AGJOA. Madison : American Society of Agronomy. Agronomy journal. Nov/Dec 1982. v. 74 (6). p. 1060-1063. ill. 10 ref. (NAL Call No.: 4 AM34P).

1184

Effect of Canada thistle (Cirsium arvense) residue on growth of some crops (Sugarbeets, wheat, alfalfa, phytotoxicity).
Wilson, R.G. Jr. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1981. v. 29 (2). p. 159-164. 9 ref. (NAL Call No.: 79.8 W41).

1185

Effect of nitrogen, phosphorus, and planting date on plant growth and development, water uptake and water stress in dryland wheat production (Eastern Oregon).
Agamennoni, R.OASPA. Bolton, F.E. Corvallis : The Station. Special report - Agricultural Experiment Station, Oregon State University. June 1983. Report of Columbia Basin agricultural research. June 1983. (680). p. 43-44. (NAL Call No.: 100 OR3M).

1186

Effects of air pollutants on wheat and grains (Triticum).
Noggle, J.C. Jones, H.C. Arlington, Va. : Izaak Walton League of America, 1982. Effects of air pollution on farm commodities : proceedings of the symposium, Hyatt Regency Hotel, Washington, D.C., February 18, 1982. p. 79-90. 6 ref. (NAL Call No.: QK751.S92 1982).

1187

Effects of nuclear attack on agriculture.
Beltsville, Md. : The Library. Quick bibliography series - National Agricultural Library. May 1984. (84-33). 9 p.

1188

Effects of trifluralin on root morphology and mineral status of wheat (Triticum aestivum) seedlings (Phytotoxicity).
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1494

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1503

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1506

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SOIL FERTILITY - FERTILIZERS

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VETERINARY PHARMACOLOGY, TOXICOLOGY AND IMMUNE THERAPEUTIC AGENTS

1704

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DRAINAGE AND IRRIGATION

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FOOD SCIENCE, FIELD CROP

1733

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FOOD PROCESSING, FIELD CROP

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Pomeranz, Y. St. Paul, Minn. : American Association of Cereal Chemists, c1981. Cereals, a renewable resource : theory and practice / Y. Pomeranz, Lars Munck, editors. p. 461-469. ill. 2 p. ref. (NAL Call No.: SB188.2.C368).

FOOD STORAGE, FIELD CROP

1739

Results of a grain storage study in Idaho (Loss in grain quality, Triticum aestivum, wheat, Hordeum vulgare, barley, insect damage, molds, sprouting, excessive dryness).
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FOOD CONTAMINATION AND TOXICOLOGY

1740

Comparison of low-temperature wheat drying management procedures (5 procedures, energy consumption, grain quality, microorganism, baking quality, germination).
Muhlbauer, W. Stahl, T.; Hofacker, W.; Reisinger, G. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). 1982. Paper presented at the 1982 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1982. (fiche no. 82-3006). 1 microfiche : ill. Includes references. (NAL Call No.: FICHE S-72).

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Dumas, T. Arlington, Va., The Association. Journal of the Association of Offical Analytical Chemists. July 1982. v. 65 (4). p. 913-915. 6 ref. (NAL Call No.: 381 AS7).

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Fractionation and chemical characterization of dietary fibre components (Wheat bran, potatoes, carrots, white cabbage).
Theander, O. New York, Plenum. Nutrition and food science; present knowledge and utilization. 1980. v. 2. p. 727-739. (NAL Call No.: TX345.I53).

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Del-Angel, Alma Rosa. Sotelo, Angela. Bethesda, American Institute of Nutrition. Abstract: Chemical (protein, fat, fiber, ash, carbohydrate, gluten, moisture) and biological (protein efficiency ratio (PER) determinations using experimental rats) evaluation of cereal-legume mixtures prepared with normal or genetically-improved cereals were made. Wheat, triticale, normal corn, opaque-2 soft and hard endosperm corns, and chick-peas were used. It was concluded that mixtures prepared with genetically-improved cereals permit a reduction in the level of legume in the mixtures, maintaining a high protein value while preserving the desirable cereal properties. While the protein content of the normal and improved cereals was similar, the lysine, tryptophan, sulfur amino acids, and leucine in the improved cereals gave a better balance in their protein. The PER results demonstrated that mixtures of improved cereals and chick-peas were statistically different from mixtures formed from normal cereals. Best results were obtained with triticale and hard endosperm opaque-2 corn mixtures. (wz). The Journal of nutrition. Aug 1982. v. 112 (8). p. 1474-1480. charts. 15 ref. (NAL Call No.: 389.8 J82).

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Viator, H.P. Smith, C.M. Baton Rouge, The Department. Report of projects - Louisiana Agricultural Experiment Station, Department of Agronomy. 1980. 1980. p. 38-39. (NAL Call No.: 100 L936).

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Evaluation of the nutrient composition of wheat. II. Proximate analysis, thiamin, riboflavin, niacin, and pyridoxine (Varieties from 49 growing locations).
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Hamad, Ahmed M. Fields, M.L. Chicago, Institute of Food Technologists. Extract: Germinated rice, wheat and barley increased significantly in percent Relative Nutrient Value (RNV). The increase in available lysine was highly significant in germinated wheat, barley, oats and rice. Natural lactic acid fermentation increased the percent RNV significantly for wheat, barley, rice, millet and maize. The available lysine content increased significantly in fermented oats rice, millet, and maize, but the available lysine increase was highly significant in fermented wheat. Bo. Journal of food science. Mar/Apr 1979. v. 44 (2). p. 456-459. ill., charts. 31 ref.

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Trenholm, H.L.JANCA. Cochrane, W.P.; Cohen, H.; Elliot, J.I.; Farnworth, E.R.; Friend, D.W.; Hamilton, R.M.G.; Standish, J.F.; Thompson, B.K. Arlington : The Association. Journal of the Association of Offical Analytical Chemists. Jan 1983. v. 66 (1). p. 92-97. 27 ref. (NAL Call No.: 381 AS7).

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